

OCR – A Level Economics

Component 2 – Macroeconomics

9. The global context **Revision Notes**

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9.1 International trade

Patterns of international trade over time

International trade is simply the buying and selling of goods and services across borders. For example, the UK imports coffee from Brazil and exports financial services to the US.

How the Pattern of Global Trade Has Changed Over Time

Since World War II (WW2), trade between countries has expanded. Why?

- More trading blocs (groups of countries that trade freely with each other, like the EU or NAFTA/USMCA).
- The rise of emerging markets like China and India.
- Formerly closed economies (like ex-communist nations) opening up and joining global trade.

Trading Blocs

- **Trade creation** = members trade more with each other because there are no tariffs (extra taxes on imports).
- Trade diversion = sometimes trade shifts away from non-members, since outsiders face higher tariffs.
 Example: If the EU lowers tariffs for cars made in Germany , France might buy from Germany instead of Japan, even if Japanese cars were cheaper without the tariffs.

Endustrialisation & Shift to Services

- Countries like the UK have deindustrialised, meaning manufacturing
 has declined. Instead of making things like cars and textiles, production
 shifted abroad (mainly to countries like China).
- The UK now focuses more on **services** like banking, IT, education, etc.

Example: 50 years ago, Birmingham was full of car factories . Now, London is a hub for finance and legal services.

9.1 International trade

Patterns of international trade over time

- Rise of China & India
- Both countries have industrialised rapidly, producing and exporting huge amounts of manufactured goods (think electronics, clothing, steel).
- Their share of global trade has skyrocketed.
- Fall of Communism
- After the collapse of the Soviet Union in the 1990s, many Eastern European countries joined global markets. This brought more players into international trade.

China vs The US Trade Relationship

- For years, China had a trade surplus (exports > imports), especially with the US.
- Since 2006, the US trade deficit with China has started narrowing.
- China is now shifting away from an export-led growth model to one focused on domestic consumption (encouraging its own citizens to buy more goods and services).

Example: Instead of just selling iPhones to the US, China now wants its middle-class consumers to buy Teslas, Starbucks, and domestic brands at home.

9.1 International trade

Pros and cons of international trade

Trade = the exchange of goods and services between countries. It allows nations to specialise in what they're good at (comparative advantage) and access things they don't produce themselves.

Advantages of International Trade

- Higher world output → When countries specialise and trade, more goods and services are produced overall. This means higher economic welfare (people are better off).
 - Example: Japan specialises in cars 🚗, Brazil in coffee 🥭, and they trade to both benefit.
- Outward shift of the PPF → The Production Possibility Frontier (PPF) shows the max output an economy can produce. Trade pushes the frontier outward, meaning more production and choice.
- Lower average costs → Bigger markets = more competition and more economies of scale (when producing in bulk lowers the cost per unit). Example: Samsung produces millions of smartphones , making each one cheaper.
- **Better quality products** → Businesses focus on what they're best at (comparative advantage).

 Example: Switzerland makes world-class watches while India
 - Example: Switzerland makes world-class watches \mathcal{O} , while India provides top IT services.
- Greater variety for consumers → Shoppers can access goods from all over the world.
 - Example: UK supermarkets sell bananas from Ecuador, wine from France, and electronics from South Korea.

9.1 International trade

Pros and cons of international trade

X Disadvantages of International Trade

- **Job losses at home (structural unemployment)** → Some industries may decline if production shifts abroad to countries with cheaper labour.
 - Example: Many UK textile jobs moved to Bangladesh, where wages are lower.
- Over-dependence on one product → If a country only exports one commodity, it's very vulnerable.
 Example: If Ghana relies heavily on cocoa exports and world prices fall, its economy suffers.
- "Stuck" economies → Some countries may get trapped producing just one good (like coffee or oil), which stops them from developing more advanced industries. This is called the resource curse.
 Example: Venezuela depends heavily on oil exports, making it harder to diversify into other industries.
- Overuse of resources

 Less developed countries might exploit their non-renewable resources (like oil, coal, or minerals) too quickly to meet global demand.
 - Example: Some African countries risk running out of rare earth minerals used in electronics.

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Exchange rate systems

An **exchange rate** is simply the price of one currency in terms of another. Think of it like the "conversion rate" when you swap money at the airport.

Example: If £1 = €1.30, it means one British pound can buy 1.30 euros. You could also flip it around: €1 = £0.77 (that's just the reciprocal — 1 ÷ 1.30).

What does it mean when the exchange rate changes?

- **Higher exchange rate (appreciation)**: Your currency gets stronger, so each pound buys more foreign currency. Great for holidays abroad (cheaper trips), but not so great for exporters since UK goods become more expensive for foreign buyers.
- **Lower exchange rate (depreciation)**: Your currency weakens, so each pound buys less foreign currency. Tough luck for holidays abroad (your money doesn't stretch as far), but exporters are happy because UK goods look cheaper to overseas buyers.

That's why people often say a currency is "strengthening" (strong) or "weakening" (weak) depending on how it moves.

Typical Mistake

Always be clear which way you're quoting the rate.

- Is it **euros per pound** (€ per £)?
- Or pounds per euro (£ per €)?

Mixing them up can lead to very wrong answers in exams.

9.2 Exchange rates

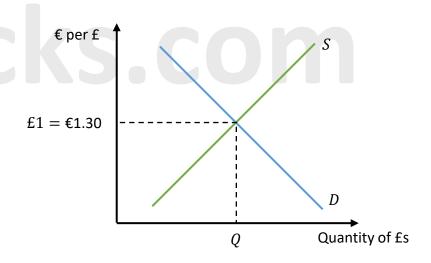
Exchange rate systems

What actually determines the exchange rate?

Like most things in economics, it comes down to **demand and supply**:

- If lots of people want pounds (say, foreign investors buying UK assets), demand for pounds rises \rightarrow £ strengthens.
- If more pounds are being sold (say, Brits going on holiday abroad and buying foreign currency), supply of pounds rises \rightarrow £ weakens.

At the point where demand and supply meet, you get the **equilibrium exchange rate;** the "settled" price of the pound.



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Exchange rate systems

An **exchange rate** is just the price of one currency in terms of another. For example, £1 might be worth \$1.33.

These rates are set in the **foreign exchange market (forex)** where currencies are traded like products.

But how a country manages its exchange rate depends on its **exchange** rate system, and there are three main types:

1. Floating Exchange Rate

This system works just like a regular market, **supply and demand** decide the price.

- If lots of people want your currency (high demand), its value goes up. This is called **appreciation**.
- If your currency is being sold off (high supply), its value goes down. That's **depreciation**.

Example: The British pound floats freely. If investors think the UK economy is strong, demand for pounds goes up and so does its value.

2. Fixed Exchange Rate

Here, the government or central bank "fixes" its currency to another (usually the US dollar or euro) at a set value.

The **central bank** steps in whenever necessary to keep the currency at that fixed level.

 Revaluation happens when a government decides to make its currency stronger compared to the one it's pegged to.

This means you now get more foreign currency for your money. **Example:** If the Saudi riyal was fixed at 3.75 to \$1, and the government changes it to 3.50, that's a revaluation, the riyal has gotten stronger. **tutorpacks.com**

9.2 Exchange rates

Exchange rate systems

Devaluation is the opposite, it's when a country **lowers the value** of its currency against the one it's pegged to.

Now you need more of your currency to buy the same amount of the foreign one.

Example: If Egypt pegs its currency to the US dollar and changes the peg from 15 EGP = \$1 to 18 EGP = \$1, that's a devaluation, the Egyptian pound has lost value.

Another example: Denmark pegs its currency, the Danish krone (DKK), to the euro. The central bank keeps the exchange rate close to 7.46 DKK = €1, using interest rates and currency market interventions to maintain this stability. This helps Denmark stay aligned with its major trading partner (the Eurozone) while still keeping its own currency.

3. Managed Exchange Rate (aka "Dirty Float")

This one is a mix. The currency mostly floats, but the central bank keeps an eye on it and steps in when needed.

- If the value rises too much, the central bank **sells its currency** to bring the value down.
- If it drops too much, the bank **buys its currency** to strengthen it.
- They might also change **interest rates** to influence foreign investment.
 - Raising rates makes your currency more attractive to investors (stronger currency).
 - Lowering rates does the opposite (weaker currency).

Example: Vietnam uses a managed exchange rate. The Vietnamese dong mostly moves with market forces, but the central bank intervenes to prevent big swings and keep trade predictable.

Factors influencing floating exchange rates

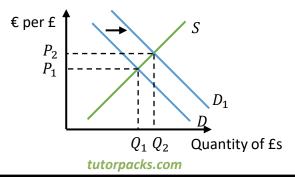
Floating exchange rates are like prices in any market; they move based on supply and demand. The more people want a currency, the more it's worth (appreciation). If fewer people want it, the value drops (depreciation). Here's what affects that:

What Makes People Want a Currency? (Demand)

The **demand** for a currency (like British pounds) goes up when:

- Foreigners want to buy British goods and services (like cars, clothes, or football match tickets!)
- People want to invest in the UK, maybe in UK property, businesses, or on the London Stock Exchange
- Tourists want to visit the UK (think Buckingham Palace, Premier League matches, and Stonehenge!)
- People or businesses want to save money in UK banks
- Traders/speculators think the pound will go up in value and want to make a profit

Example: If the UK launches a hot new electric car brand and everyone abroad wants to buy it, demand for pounds will rise because customers need pounds to pay UK suppliers.



9.2 Exchange rates

Factors influencing floating exchange rates

■ What Affects the Supply of a Currency?

The **supply** of a currency increases when more of it is being sold, which can happen when:

- UK residents want to buy foreign goods (like iPhones or French wine)
- UK businesses invest overseas (maybe a British fashion brand opens stores in Japan)
- Brits go abroad on holiday (say, skiing in Switzerland)
- People move their savings to foreign banks
- Traders/speculators sell pounds because they think it'll drop in value

Example: If lots of Brits decide to holiday in Thailand, they'll exchange pounds for Thai baht, increasing the supply of pounds in the market.

So What Moves the Currency in the Short Term?

One word: **speculation**. This is when traders guess what might happen. If big investors think the pound will fall, they'll sell it now, which actually causes it to drop faster.

Think of it like this: Rumours that the UK economy is shaky = traders sell = pound falls.

Factors influencing floating exchange rates

And What About the Long Term?

1. Inflation Rates

Inflation means prices are rising.

- If Brazil's inflation is higher than other countries, its exports become expensive.
- Foreigners may stop buying Brazilian products, so demand for the real (currency) drops; the real depreciates.
- Lower inflation = more competitive exports = stronger currency.
- 2. Interest Rates

Interest rates are how much return you get on savings and investments.

- If a country like India raises its interest rates, investors from abroad want to buy rupees to earn better returns. More demand = rupee appreciates.
- If the interest rate falls, investors might switch to another currency offering better returns. Less demand = rupee depreciates.

This is often called a flow of **hot money**, fast-moving funds chasing the best returns.

3. Net Investment

Foreign Direct Investment (FDI) is when money is used to build or buy businesses abroad.

- If Toyota opens a new factory in Mexico, it brings yen to convert to pesos. More demand = peso appreciates.
- If a Mexican company invests abroad, it needs to exchange pesos into foreign currency. Supply increases = peso depreciates.

9.2 Exchange rates

Factors influencing floating exchange rates

4. The Current Account

This includes exports, imports, and income from abroad.

- If Canada exports more than it imports (a trade surplus), more people want Canadian dollars, it appreciates.
- If it imports more (a trade deficit), there's more supply of CAD in forex markets, it depreciates.

5 Quantitative Easing (QE)

QE is when a central bank prints more money to buy government bonds and boost the economy.

- For example, if the Bank of Japan prints more yen and uses it to buy back bonds, the supply of yen increases.
- More supply = lower value = yen depreciates.

If foreign investors hold those bonds, they'll swap yen for their home currency, adding to the fall.

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Pros and cons of a floating exchange rate system

A **floating exchange rate** is when the value of a country's currency is determined by supply and demand in the foreign exchange market, without direct government control. In other words, the pound (\pounds) , dollar (\$), or euro (\$) is allowed to "float" up and down depending on how much people want to buy or sell it.

The UK, for example, has let the pound float for over 20 years and there are some big benefits (but also drawbacks).

Advantages of Floating Exchange Rates

- No need for massive foreign reserves Unlike fixed exchange rates, governments don't need to stockpile huge amounts of dollars, euros, or gold to keep the currency stable. That frees up resources for other things (like public services or investment).
- Monetary sovereignty
 Governments can set interest rates based purely on their own economy (like tackling inflation or unemployment) rather than worrying about defending a fixed exchange rate.
 Example: If the UK needs to cut interest rates during a recession, it can do so without worrying about pegging the pound to the dollar.
- Automatic stabiliser If a country has a big current account deficit (importing more than it exports), its currency will usually fall in value. A weaker currency makes exports cheaper abroad and imports more expensive at home; helping restore balance.

Example: If the UK imports loads of German cars and French wine, the pound may weaken, which in turn boosts British exports like financial services or machinery.

1 Typical Mistake

It's easy to think that floating exchange rates automatically and smoothly fix deficits or surpluses. But in reality, it's messy due to speculation, politics, and global shocks (like oil price spikes) that can all mess with the process.

9.2 Exchange rates

Pros and cons of a floating exchange rate system

- X Disadvantages of Floating Exchange Rates
- Uncertainty for businesses \subseteq Companies trading across borders face risks when the currency swings wildly. For example, a British car exporter may set a price in dollars, but if the pound suddenly rises, their cars become more expensive abroad, cutting sales.
- Overvalued or undervalued currency Speculators (investors betting on currency movements) can push currencies too high or too low.
 - An **overvalued currency** (too strong) hurts exporters because their goods look expensive abroad.
 - An undervalued currency (too weak) may boost exports but can also trigger cost-push inflation (higher import prices make everything more expensive).
 Example: If the pound falls sharply, UK holidays abroad get

Example: If the pound falls sharply, UK holidays abroad get pricier, and imported goods like fuel or electronics shoot up in cost.

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Fixed exchange rates

A **fixed exchange rate** is when a government or central bank decides to "peg" its currency to another currency (like the US dollar or the euro) rather than letting it freely move in the market.

Think of it like a price tag glued onto your currency — no matter how much demand and supply shift, the government tries to keep the value steady within a narrow range.

How do governments keep it fixed?

- **Monetary policy** Changing interest rates to make holding the currency more or less attractive.
 - Example: If the UK wanted to keep the pound strong, it could raise interest rates, so investors want to hold pounds (to earn more return).
- Open market operations Buying and selling foreign reserves (like dollars, euros, yen) to control the supply and demand of the local currency.
- Capital controls Restricting how much money can enter or leave the economy (less common nowadays because most countries prefer open markets).

Advantages of Fixed Exchange Rates

- Easier for businesses to trade Companies know what exchange rate they'll get, which reduces uncertainty. Imagine exporting cars from Germany to France without worrying the euro will suddenly crash.
- Monetary discipline \(\sqrt{} \text{By pegging your currency, you're forced to keep interest rates and inflation stable, giving your economy credibility. It's harder for governments to just "print money" or cut rates recklessly to win votes.

9.2 Exchange rates

Fixed exchange rates

X Disadvantages of Fixed Exchange Rates

- No quick fix for trade problems \(\subseteq \) If your exports are uncompetitive, you can't just devalue your currency to make them cheaper.
- Loss of independence You can't always set interest rates to suit your own economy because you need to match the country you're pegged to.
- Costly foreign reserves 5 Governments often need massive piles of foreign currency (like dollars) to defend the peg, which can run out quickly.
- Even with a "fixed" system, currencies aren't frozen solid. They usually
 move within a very narrow band (often just 1–2%). So, it's more like a
 tight leash than a padlock.

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Government intervention in currency markets

Governments (or more specifically, their central banks) have two main tools they can use to influence the value of their country's currency in the world market.

2 1. Interest Rates – Turning the Money Magnet On (or Off)

If the government wants to make their currency stronger (called **appreciation**), they can **increase interest rates**. Higher interest rates make it more attractive for people and investors from other countries to put their money in that country's banks, since they'll earn more interest.

Example: If the UK raises interest rates, investors might swap their euros or dollars for pounds to take advantage which increases demand for pounds and pushes up its value.

If the government **lowers interest rates**, it becomes less attractive to save in that currency, so demand falls, and the currency weakens (this is depreciation).

3 2. Using Gold and Foreign Currency Reserves – Buying & Selling Power

Governments also have a stash of **foreign currencies** (like US dollars or euros) and sometimes gold; this is called their foreign currency reserves. They can use these reserves to help manage their currency value.

- To **depreciate** the currency: If the pound is too strong, and the government wants to weaken it (make it cheaper), they can use pounds to buy foreign currency or gold. This increases the supply of **pounds** in the market, which pushes the value down. Example: To weaken the peso, Mexico's central bank might sell pesos and buy US dollars.
- To appreciate the currency: If the pound is too weak and they want to strengthen it, they can sell their foreign currency to buy pounds, increasing demand for pounds, which pushes the value up. Example: If Japan wants to strengthen the yen, it could use dollars from its reserves to buy ven.

9.2 Exchange rates

Government intervention in currency markets

This method is useful in the short run but doesn't always work well long term. Currency values are mostly driven by market confidence and economic fundamentals (like inflation, growth, and investment). So even the best central bank can't control everything.



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Characteristics of globalisation

Globalisation means that countries around the world are becoming **more connected and dependent on each other**. It's all about **how fast things change**, from technology to trade, and how deeply linked our economies and lives have become.

Globalisation is the way **business activities are spread across the world**. This includes things like:

- Doing research and development in one country (like the US),
- Sourcing materials in another (say, lithium from Chile),
- Manufacturing products in another (maybe Vietnam), and
- Selling and distributing them all over the world.

It also includes businesses working together across borders, for example, when Toyota and BMW work on engine tech together. These are called joint ventures.

Globalisation also means more freedom in how things move:

- Free trade in goods and services (Countries trade without huge taxes or limits. Example: German cars sold in Japan or Netflix streaming worldwide),
- Free movement of people and tech (People work abroad more easily, and new tech spreads fast. Example: Doctors from the Philippines working in the UK; TikTok (a Chinese app) used globally),
- Capital (money) flowing between countries easily (A UK investor can buy shares in a US tech company online in minutes),
- More foreign ownership like companies from one country own businesses in another (Tata (an Indian company) owns Jaguar Land Rover in the UK.),
- And the **sharing of knowledge and ideas**, including intellectual property (like global access to COVID vaccine research).

9.3 Globalisation

The causes of globalisation

Globalisation isn't just happening by chance, there are reasons behind it. Below are the key drivers that are helping the world become more connected than ever.

📇 1. Better Transport = Cheaper, Faster Global Trade

- Transport infrastructure includes things like ports, airports, roads, and railways. Thanks to big improvements, goods can now be moved quickly and cheaply around the world.
- Thanks to container shipping, goods can now be packed into standardsized boxes and loaded quickly onto ships, trains, and trucks.
- This has made transport cheaper, faster, and more efficient.
- When businesses produce more at a lower cost per unit, it's called economies of scale.
- Example: A juice company can send thousands of bottles to Europe in one big container instead of several small deliveries, saving time and money.

2. Tech and Communication Make It Easy to Work Globally

- Modern IT (Information Technology) and communication tools like Zoom, email, and cloud storage mean businesses can manage teams, customers, and suppliers in different countries, all from a laptop.
- Companies can also now market themselves, hold meetings, or even run customer service from another country.
- This makes it easy to promote your brand internationally without opening a physical store.
- **Example:** A clothing brand in Bali can sell hoodies to customers in London through Instagram and Shopify.

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The causes of globalisation

- 3. The WTO and Free Trade Deals
- The **World Trade Organization (WTO)** helps countries make trade agreements and lower trade barriers.
- Free trade (trade liberalisation) means fewer taxes (tariffs) on imports and exports, making it easier for businesses to operate globally.
- This encourages specialisation. Countries focus on what they do best and trade for the rest.
 - Example: France exports cheese; Japan exports electronics, both win.

4. Big Companies Taking Over the World (Literally)

- TNCs (Transnational Corporations) are huge companies that operate in more than one country, like Apple, Coca-Cola, or Amazon. They manufacture, sell, and even advertise globally.
- These companies often move production to low-cost countries to save money, and they're powerful enough to influence government decisions in their favour.
- **Example:** Your phone might be designed in California, assembled in China, and sold to you online all handled by one global company.

5. Financial Markets That Work Across Borders

- International financial markets make it easy to invest and move money between countries. This is vital for global businesses that need funding or want to expand abroad.
- **Example:** A UK-based company can get a loan from a bank in Singapore or invest in a factory in Mexico, all through global finance systems.

9.3 Globalisation

The consequences of globalisation

Globalisation affects pretty much everyone, countries, governments, companies, workers, consumers, and even the planet itself. Some of these impacts are amazing... others? Not so much.

Economic Growth

The Good:

- Boost in trade Countries grow faster when they specialise and trade efficiently.
- More investment TNCs bring foreign direct investment (FDI) into countries, helping to build roads, factories, and jobs.
- Better management and tech Global firms bring high standards and modern technology, helping local industries grow.

The Not-So-Good:

- Unstable advantages If a country loses its cost advantage, companies may leave, causing unemployment and loss of growth.
- Political instability TNCs may support dodgy governments that help them, even if they're corrupt.

Producers (Businesses and Firms)

The Good:

- Efficient production Big businesses enjoy economies of scale, meaning they produce more at lower costs, which is usually leads to lower prices for consumers.
- Lower costs They can also produce goods in cheaper countries by using comparative advantage (doing what they're best at).
- Access to global markets Firms can sell worldwide, reaching more customers.
- **Reduced risk** If one market collapses, they can rely on others.

The Not-So-Good:

Big companies, big power – Some global giants (called **multinational corporations**) become so powerful they can influence laws, dodge taxes, or outcompete smaller local businesses.

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The consequences of globalisation



Consumers (People Who Buy Stuff)

The Good:

- Lower prices Companies produce goods in countries with lower labour costs (like Bangladesh or Vietnam), meaning you pay less at the checkout.
- More choice You can now buy clothes from China, phones from Korea, and coffee from Colombia, all on the same high street.

The Not-So-Good:

- **Loss of culture** Local products and traditions can be lost in favour of global brands like McDonald's or Netflix.
- Prices can rise As incomes increase globally, so does demand, which pushes prices up.



Workers (The People Doing the Jobs)

- More jobs, higher pay Thanks to global trade and investment, incomes have risen in many countries, especially where new industries have taken off.
- **Training and upskilling** Multinational companies (called **TNCs**) often provide training and better job opportunities.
- **Easier movement of people and money** Workers can migrate for jobs, and companies can invest across borders. This is called **capital and labour** mobility.

The Not-So-Good:

- **Structural unemployment** This happens when jobs in old industries disappear (like coal mining) and workers can't easily move into new ones (like tech). Some governments haven't done enough to help people retrain. That's structural unemployment, long-term job loss due to economic shifts.
- **Inequality grows** The gap between rich and poor can widen. Some people (especially in cities) gain from global jobs, while rural or low-skilled workers may get léft behind.
- **Poor conditions** In places like **sweatshops**, workers may face long hours and low pay.

9.3 Globalisation

The consequences of globalisation



The Good:

- Higher tax revenue TNCs and their employees pay tax, boosting national budgets.
- **Global cooperation** Countries can work together to solve big issues like climate change.

The Not-So-Good:

- Policy struggles If governments don't plan well, they might fail to protect local jobs or industries.
- Tax avoidance Global companies often use tricks like transfer pricing (moving profits to low-tax countries) to avoid paying fair taxes. It's legal, but many say it's unfair...
- **Corruption** TNCs might use their power to **bribe or lobby** governments.



Environment

The Good:

Global teamwork – Countries can share ideas and tech to fight climate change.

The Not-So-Good:

Environmental harm – More factories = more **pollution**, **global** warming, deforestation, and overuse of natural resources. For example, mass palm oil production has led to huge deforestation in Indonesia.

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The consequences of globalisation

Globalisation = the process where the world becomes more interconnected through trade, investment, technology, culture, and movement of people. Basically, it's why you can buy an iPhone in London, eat sushi in Paris , or watch a Bollywood movie in New York ≝.

Globalisation affects **both richer (developed) countries** and **poorer (less developed) countries** in different ways

- **✓** Consequences for More Developed Countries (like the UK, USA, Germany)
- New markets = more sales Firms can sell to booming economies (like India or Nigeria), where middle classes are growing fast. Think Apple or Netflix expanding into Asia.
- Economies of scale Producing for a bigger global market means making goods cheaper per unit. Example: Toyota can make millions of cars worldwide, spreading costs.
- Shift away from manufacturing As poorer countries get better at making things cheaply, richer countries often move towards services (finance, IT, design) instead.
- Outsourcing made easy
 Companies can move production to countries where wages are lower (e.g., making clothes in Bangladesh instead of Britain). This cuts costs but can hurt local factory jobs.
- Bigger recruitment pool Companies can hire talent worldwide. But this can sometimes push down local wages if workers are brought in more cheaply.
- Brain drain 🔾 🛣

 Skilled workers may leave for opportunities abroad. For example, many UK doctors and engineers head to countries like Australia or the USA.

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9.3 Globalisation

The consequences of globalisation

Oconsequences for Less Developed Countries (like Ethiopia, Bangladesh, Vietnam)

- Global brands dominate Companies like McDonald's and Nike often overpower local businesses. Sometimes they adapt products to fit local tastes (known as glocalisation e.g., McSpicy Paneer Burger in India).
- Policy pressure

 To attract foreign investment (FDI = foreign companies building or investing locally), governments may adopt "free market" policies like cutting tariffs or relaxing labour laws.
- Forced to open up Even if local businesses aren't ready, globalisation often pushes countries to allow foreign firms in, which can crush small local competitors.

The role of multinational corporations (MNCs in globalisation

✓ Benefits of MNCs

- More tax revenue for governments When MNCs make profits, pay wages, and people spend money, governments can collect taxes. This money can be used to fund schools, hospitals, or roads.
- **Higher wages (sometimes)**To attract the best workers, MNCs may pay higher wages than local firms. Example: Google paying above-average salaries in countries where it sets up offices.

X Drawbacks of MNCs

- Low wages exploitation

 If there's a large pool of unemployed workers, MNCs may pay the bare minimum. For example, garment workers in Bangladesh earning only a few dollars a day to make clothes for Western brands.
- Not all jobs are high-skilled Many MNCs bring in skilled workers from developed countries and leave only low-skill, low-pay jobs for the local population.

9.3 Globalisation

The role of multinational corporations (MNCs in globalisation

- Unethical treatment of workers In many poorer countries, workers lack strong legal protections. MNCs might take advantage by making employees work long hours, under unsafe conditions, or without benefits.

6 Exam Tip

When writing about MNCs, don't get carried away by emotions ("it's unfair."). Instead, **focus on economic impacts** like jobs, tax revenue, growth, or inequality. That's what examiners want to see.

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International competitiveness

For a country to succeed in global trade, it has to make its goods and services attractive to international buyers. This can happen in several ways:



Productivity = How much a country can produce with its resources.

- The more productive a country is, the cheaper each unit of a product becomes.
- Example: If South Korea produces more phones per hour with the same amount of resources, they can sell them at lower prices globally. Higher productivity = lower costs = stronger competitiveness.

M Unit Labour Costs

Unit labour cost = The cost of paying workers for each unit of output.

- If wages are low (but workers are still efficient), firms can sell goods cheaply.
- Example: China's massive workforce kept costs low, making Chinese goods very competitive. But as wages rise (like with China's growing middle class), competitiveness may fall.

Exchange Rates

Exchange rate = How much your currency is worth compared to others.

- If a country's currency is weaker, its exports are cheaper abroad.
- Example: When the Japanese yen weakens, Japanese cars become cheaper for U.S. buyers. A lower exchange rate often boosts exports.

9.3 Globalisation

International competitiveness



Regulation

Regulation = Government rules businesses must follow.

- Too much regulation (also called red tape) can increase costs and discourage innovation.
- Example: France has strict labour laws, which can make it harder for small firms to compete.
- On the other hand, smart regulation can improve trust and safety, boosting competitiveness.

Rate of Innovation

Innovation = Developing new ideas, technology, or designs.

Countries that invest in research and development (R&D) can create better products and processes. Example: The U.S. invests heavily in tech, leading to innovations like iPhones and Al. Innovation makes goods more attractive and helps countries stay ahead.

Product Quality

It's not always about price, sometimes, people pay more for trusted quality. Example: German cars are famous for reliability and engineering. Even though they're expensive, global demand is strong. High quality builds reputation, making products inelastic (demand doesn't fall much even if prices rise).

Non-Price Factors

Sometimes, competitiveness isn't about being cheap but about:

- **Availability** (can you deliver on time?)
- **Reliability** (does the product last?)
- **Design** (does it look good, like Italian fashion? $\stackrel{\blacksquare}{\lambda}$)
- **Reputation** (do people trust the brand?).

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Absolute and comparative advantage

The Basics

International trade makes stuff cheaper and gives us more to choose from, which means we enjoy a higher standard of living (yes to avocados all year round).

What Are They?

Absolute Advantage: When a country can produce **more of a good** than another country using the same amount of resources.

Example: If Germany makes 100 cars in a day and Spain can only make 80, Germany has the absolute advantage in car production.

Comparative Advantage: When a country can produce a good at a **lower opportunity cost** than another. This is where real trade benefits come from.

Opportunity cost is what you give up to do/make something else.

Example: If the UK gives up 2 loaves of bread to make 1 bottle of juice, and France gives up 3 loaves for the same bottle; the UK has the comparative advantage in juice.

(See Section 1) Key Idea: Specialisation Makes Everyone Better Off

• If countries specialise in what they're **comparatively best at**, total production increases. That means more stuff, lower prices, and a higher standard of living for all.

9.3 Globalisation

Absolute and comparative advantage

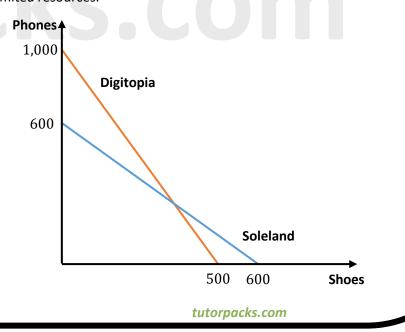
Let's imagine two countries, **Digitopia** and **Soleland**. Both of them produce **Phones** and **Shoes**.

Take a look at their production capabilities:

Country	Max Phones	Max Shoes
Digitopia	1,000	500
Soleland	600	600

Diagrams: PPF Edition (Production Possibility Frontier)

Think of PPFs as graphs showing what a country can produce with its limited resources.



Absolute and comparative advantage

Who has the absolute advantage?

Product	Who can make more? → Absolute advantage	
Phones	Digitopia (1,000 vs 600)	
Shoes	Soleland (600 vs 500)	

So, **Digitopia** has the absolute advantage in **phones**, and **Soleland** in **shoes**.

The opportunity cost

 Let's calculate what each country gives up to make one unit of the other good.



- 1,000 phones = 500 shoes → each **phone** costs **0.5 shoes**
- So, 1 shoe costs 2 phones

Soleland:

- 600 phones = 600 shoes → each **phone** costs **1 shoe**
- So, 1 shoe costs 1 phone

9.3 Globalisation

Absolute and comparative advantage

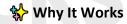
Who has the comparative advantage?

Product	Opportunity cost (Digitopia)	Opportunity cost (Soleland)	Comparative advantage
Phones	0.5 shoes	1 shoe	Digitopia
Shoes	2 phones	1 phone	Soleland

So:

- Digitopia should specialise in phones
- Soleland should specialise in shoes

Then they can trade for mutual benefit.



If both countries split their resources (like in real life without specialisation), they'd each make fewer goods overall.

But if:

- Digitopia puts all its effort into phones (1,000)
- Soleland focuses only on shoes (600)

Then together they produce more **phones and shoes** than they would working alone or splitting their efforts.

• This extra output = the gains from trade.

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The model of comparative advantage

The theory of comparative advantage works great in textbooks... but not always in the real world. Here's why:

- **Constant costs**: The theory ignores things like economies of scale (where producing more makes it cheaper per unit).
- **E** Perfect knowledge: In reality, buyers and sellers don't have all the info to make the best choices.
- Easy switching: It assumes factories and workers can switch between making shoes and phones instantly. Good luck retraining a steelworker overnight.
- Terms of trade: Whether trade even happens depends on how much of one good a country is willing to exchange for another. If the trade deal isn't fair, no deal.
- Perfectly identical products (homogenous): Not true, a German car ≠ a Chinese car, even if both are "cars".
- Perfect mobility of resources: It assumes workers, machines, and money can move freely between industries and countries, which they often can't.
- **Over-dependence:** If you rely too much on one country (like Russia for gas), it becomes risky.
- **Transport of Environmental damage:** Specialising may ignore pollution or resource overuse, harming the planet.

9.3 Globalisation

The benefits of trade

Benefits of Specialisation and Trade:

1. Higher World Output

When countries focus on producing what they're best at (known as *comparative advantage*), global production increases. Imagine Italy making shoes and Japan making electronics, they both get better at it, and there's more for everyone to enjoy.

2. Lower Prices

Specialisation allows businesses to produce on a large scale, which leads to *economies of scale*, basically, lower costs per item. That means lower prices for consumers.

3. More Choice for Consumers

You can buy mangoes in winter or wear Italian leather in Australia. Why? Because trade brings goods from all over the world straight to your local shops.

4. Everyone Has Different Resources (aka Factors of Production)

Countries all have access to different *factors of production* (things like land, labour, and capital). For example, Saudi Arabia has oil, while Bangladesh has cheap labour. Trade lets each country get what they don't have.

5. Better Quality Through Competition

When firms compete globally, they push to offer better products and services, or risk getting left behind.

5. Boost to Economic Growth

More exports = more income = more growth. Trade pumps money into economies, helping them grow and create jobs.

7. Higher Living Standards

With better access to goods, more jobs, and lower prices, people enjoy a better quality of life.

8. Staying Isolated = Falling Behind

Countries that cut themselves off (like North Korea) often suffer stagnation (meaning their economies stop growing). Trade opens doors to progress.

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The costs of trade

X Disadvantages of Specialisation and Trade

1. Too Much of a Good Thing: Over-Dependence

If a country relies heavily on exporting one thing (say, copper or oil), a price drop can spell disaster. And if they rely on one country for imports (like gas from Russia), they're in trouble if relations sour.

2. Global monopolies

Some huge companies like Amazon or Google become so dominant that they can control prices, markets, and even influence governments.

3. Structural Unemployment

Structural unemployment happens when industries shut down because other countries can do it better or cheaper. If workers can't easily switch jobs or skills, they're left behind, for example, some UK towns struggled when traditional industries like shipbuilding declined.

4. Exposure to global shocks

If something bad happens in one country, it can cause chaos elsewhere. For example, the war in Ukraine shook up global wheat and energy prices.

5. The Environment Pays the Price

More trade means more transport and more production, which can lead to deforestation, pollution, and overuse of resources.

6. Loss of Control (Sovereignty)

Signing up to international trade deals or organisations might mean a country loses some control over its policies. For instance, EU membership meant the UK had to follow certain EU rules, a hot topic in Brexit.

9.3 Globalisation

The costs of trade

X Disadvantages of Specialisation and Trade

7. Trade deficits

Some countries (like the US or UK) import more than they export. This can lead to a **deficit** on the balance of payments, basically, they owe the world money.

8. Loss of Culture

With global trade comes global brands and trends. Traditional clothes, foods, and languages might fade as people adopt more international tastes. It's a cultural mash-up, great for variety, but tricky for tradition.



Factors influencing the pattern of trade

Trade between countries doesn't stay the same forever, it evolves based on loads of different factors. For example, in the early 2000s, **China wasn't a major trading partner for many Western nations**, but by 2020, it had become **one of the top export destinations for countries like Germany**, **Australia, and the USA**. Why? Cheaper production, growing demand, and a booming economy changed everything.

So, what causes these shifts in who trades with who and what they trade? Let's break it down...

1. Comparative Advantage

Q *Definition:* When a country can produce a good at a lower opportunity cost than others.

If one country is really good (or cheap!) at making something, firms will want to buy from there. For instance, Bangladesh produces clothes cheaply, so many companies outsource garment production there. Over time, countries naturally shift to exporting the things they're best at. This changes what countries trade and who they trade with.

Example: The UK no longer makes most of its clothes, they're made in countries like Vietnam and Bangladesh, which are more efficient at it.

9.3 Globalisation

Factors influencing the pattern of trade

2. Rise of Emerging Economies

Emerging economies like China, Indonesia, India and Vietnam are becoming major players in global trade. They offer low labour costs, growing industries, and are producing more goods at competitive prices.

This means they're taking up a *bigger share* of global exports, and as they grow, older trading relationships start to fade or shift.

Example: As China grew into a manufacturing powerhouse, some countries lost business they used to get, like the USA losing some textile and electronics production to Asia.

3. Trading Blocs and Bilateral Trading

Trading blocs are groups of countries that agree to trade more freely with each other (e.g. the EU or NAFTA/USMCA). Bilateral agreements are just trade deals between two countries.

These reduce tariffs (taxes on imports), making it cheaper and easier to trade. This can lead to:

- Trade creation more trade between members.
- Trade diversion less trade with countries outside the bloc.

Example: After Brexit, the UK left the EU's trading bloc, meaning new rules and costs for UK-EU trade, and it started forming its own deals (like with Australia or Japan).

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Factors influencing the pattern of trade

4. Exchange Rates

Solution: The exchange rate tells you how much your currency is worth compared to another.

If a country's currency *appreciates* (gets stronger), its goods become more expensive for other countries to buy, exports go down. But imports become cheaper, so people at home buy more from abroad.

If the currency *depreciates* (gets weaker), it works the opposite way, exports become cheaper and more competitive globally, boosting trade.

Example: If the UK pound gets weaker compared to the US dollar, British-made products will seem cheaper to Americans, great news for UK exporters.

Summary

Factor	In Simple Words	Example
Comparative Advantage	Produce what you're best at	India = tech, Brazil = coffee
Emerging Economies	Rising stars join the trade game	Vietnam exporting electronics
Trading Blocs/Trade Deals	Agreements that make trade easier	EU, NAFTA, AfCFTA
Exchange Rates	Currency affects how cheap things are	Weak yen = more Japanese exports

9.3 Globalisation

Factors influencing the pattern of trade

Continue to the next page...



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Calculation of terms of trade

III What Are *Terms of Trade (ToT)*?

Terms of trade (ToT) measure how much a country earns from its exports compared to how much it spends on its imports. More specifically, it's the **ratio of the average price of exports** to the **average price of imports**, and it's expressed as an index or a percentage.

Think of it like this: if the UK exports cars and imports bananas, the terms of trade tells us how many bananas the UK can buy for each car it sells.

Why does this matter?

Because it affects a country's **standard of living**. If a country can sell its exports at higher prices and buy its imports more cheaply, it earns more and spends less.

- If a country exports highly priced products (like luxury cars or tech), it brings in more income.
- This income can then be used to buy cheaper goods from abroad (like raw materials or food).
- So, strong terms of trade = more bang for your buck.

9.3 Globalisation

Calculation of terms of trade

What Happens When Terms of Trade Change?

- If export prices go up or import prices go down, the country can get more imports for the same exports. This is called an improvement in terms of trade, a good thing. Economists call this a favourable movement.
- Example: Germany's car prices rise globally, so it can sell fewer cars but still afford lots of raw materials.
- If export prices fall or import prices rise, the country gets fewer imports for the same exports. That's a deterioration in terms of trade. This is an unfavourable movement.
- Example: Kenya's coffee prices drop while oil prices soar. It now needs to sell way more coffee to buy the same amount of oil.

How Do You Work It Out?

ToT is calculated as an **index**, like a score made from a huge list of prices. The formula is:

$$ToT = \left(\frac{Index\ of\ Average\ Export\ Prices}{Index\ of\ Average\ Import\ Prices}\right) \times 100$$

A value **above 100** means exports are relatively more expensive than imports (favourable), and a value **below 100** means the opposite (unfavourable).

These price indexes are made using a weighted basket of goods, just like a consumer price index, but focused on traded goods instead of everyday items. So big items like oil or wheat (which are traded a lot) matter more than niche goods like Rolls Royce cars or luxury watches.

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Calculation of terms of trade

Example

Year	Export Price Index	Import Price Index	ToT Calculation	ToT Value	Improve or Worsen?	What It Means
2015	100	100	$\left(\frac{100}{100}\right) \times 100$	100	Baseline year	Country Z could import 1 unit for every 1 unit exported.
2016	105	110	$\left(\frac{105}{110}\right) \times 100$	95.5	X Deteriorati on	Imports got more expensive; exports buy less.
2017	115	108	$\left(\frac{115}{108}\right) \times 100$	106.5	Improvem ent	Country Z gets more imports per export; stronger buying power
2018	112	115	$\left(\frac{112}{115}\right) \times 100$	97.4	X Deteriorati on	Weaker ToT again; importing costs more

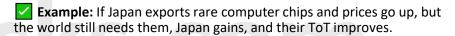
9.3 Globalisation

Factors influencing terms of trade

1. Inflation Differences (Relative Inflation Rates)

Inflation is when prices go up over time. If prices in your country rise faster than in other countries, your goods become more expensive abroad. So, what happens?

- If your exports are **price inelastic** (people buy them no matter the price, like medicine or oil), you can still sell them. This improves your terms of trade; each unit you sell buys more stuff from other countries.
- But if your goods are price elastic (like luxury handbags, people only buy if it's a good deal), demand might drop. This worsens your ToT.



2. 🖺 Changes in Exchange Rates

The **exchange rate** is how much your currency is worth compared to another (e.g. £1 = \$1.30). When this changes, so do the prices of exports and imports.

- If your currency **appreciates** (gets stronger), your exports become **more expensive**, and imports **cheaper**.
- If it **depreciates** (gets weaker), the opposite happens.

This can swing the ToT either way depending on the direction of the change and how sensitive demand is.

Example: If the Brazilian Real weakens, Brazil's coffee becomes cheaper for foreign buyers, but buying tech from the U.S. becomes pricier.

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Factors influencing terms of trade

3. Productivity Differences (Relative Productivity Rates)

Productivity is all about how much you can make with the same resources. If your workers or machines become super efficient, you can make more at a lower cost.

Sounds great, right? Well, sort of...

- If you pass on these savings as lower prices for exports, your goods become cheaper abroad.
- That means you need to sell more exports to buy the same amount of imports. So, your ToT gets worse (even though you're efficient).

Example: If Vietnam boosts textile production and drops export prices, they earn less per shirt sold, even if they're making tons.

4. Demand and Supply Shocks

- If demand for your exports suddenly spikes (e.g. people really want your avocados), prices may rise, improving ToT.
- If supply of imports increases (like a flood of cheap electronics from another country), import prices drop, also improving ToT.

5. Changing Incomes:

- As people around the world earn more, they spend more, especially on tourism or fancy services.
- For example, if global income rises, a tourist hotspot like **Thailand** might see higher prices in hotels and tours, improving its ToT.

9.3 Globalisation

Impacts of changes in terms of trade

1. It Depends on Elasticity

Price Elasticity of Demand (PED) measures how much people change their buying habits when prices change.

- If demand for exports or imports is inelastic (people buy it no matter the price), then an improvement in the terms of trade (like higher export prices) can help boost export earnings and improve the balance of payments.
- But if demand is elastic (people buy less when the price rises), then higher
 prices might lead to fewer exports sold, and the balance of payments can
 actually worsen.

Think of it like this: if Country A raises the price of bananas and people still buy them, it earns more. But if people just switch to apples from Country B, then earnings fall.

2. Not All Improvements Are "Good News"

An **improvement in the terms of trade** sounds great (you get more imports for your exports), but it can backfire:

- If prices of exports rise, but **demand falls**, exports may drop.
- If import prices fall, people might import more, reducing demand for domestic products.

Both cases can lead to:

- Lower GDP (less production),
- Higher unemployment (fewer jobs),
- And eventually a drop in living standards.

In short: more imports and fewer exports = less income and fewer jobs.

A **long-term deterioration** in the terms of trade (like consistently falling export prices) can be a warning sign of **economic struggles**, especially for countries that rely heavily on one or two products (e.g. copper or coffee).

Impacts of changes in terms of trade

Possible Effects on the Economy:

- Changes to the current account balance: This is part of a country's
 Balance of Payments (basically its international bank statement). A
 deterioration (worse terms of trade) can lead to a deficit, meaning the
 country spends more on imports than it earns from exports.
- **Competitiveness**: If export prices rise too much, foreign buyers might turn elsewhere. This makes the country **less competitive** globally.
- **Disposable income**: If imports get pricier, consumers might spend more on foreign goods and have less to spend on other things at home.
- Changes to GDP (Gross Domestic Product): GDP could shrink if falling export prices hurt national income. If a country earns less from exports, there's less money circulating in the economy.
- Unemployment: If export industries lose revenue, they might cut jobs.
 But if the economy benefits from strong exports, more jobs may be created.
- **Living standards**: Improved terms of trade can mean people afford more imported goods and services. But if things go south, living standards can drop.

9.3 Globalisation

Impacts of changes in terms of trade

Continue to the next page...



Marshall-Lerner condition and J-curve

When a country's currency changes value (either going up (appreciation) or down (depreciation)) it affects nearly everything: trade, jobs, inflation, and investment.

The current account of the balance of payments

The current account is part of a country's balance of payments. It tracks exports and imports of goods and services, income from abroad, and transfers (like remittances or aid).

Depreciation (when the currency falls in value):

- Makes exports cheaper for foreign buyers
- Makes imports more expensive
- But whether this helps the trade balance depends on price elasticity:
- If people change their buying habits a lot when prices shift = elastic
- If they don't = inelastic

The Marshall-Lerner Condition

This says a weaker currency (devaluation) will help improve the trade balance only if the combined demand for imports and exports is responsive to price changes (i.e., elastic). In other words, the total responsiveness of exports and imports to price changes much be greater than 1 for depreciation to improve the current account. If people don't change their buying behaviour, it won't work.

The J-Curve Effect

Right after a currency weakens, things can actually get worse before they get better. Why?

- It takes time for people to notice price changes.
- Import contracts are often fixed in the short term.
- Exporters may need time to find new buyers.

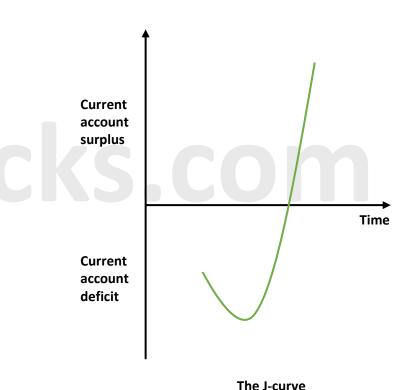
So, at first, the country's **trade deficit** might widen, then improve later once demand adjusts. That path looks like a letter "J" on a graph hence, the J-curve.

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9.3 Globalisation

Marshall-Lerner condition and J-curve

Example: A US company buying trainers from the UK might not switch right away even if French trainers become cheaper, relationships and contracts matter. But long-term? They'll probably switch.



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Marshall-Lerner condition and J-curve

Impact of changes in exchange rates

When a currency weakens:

- Exports become cheaper for foreign buyers → demand goes up.
- Imports become more expensive → people buy more local goods.
- This boosts aggregate demand (AD), helping the economy grow and creating jobs.

2. A Unemployment

If depreciation boosts exports, then guess what?

More goods sold abroad = more production = more workers needed

So, unemployment usually falls. But if the currency appreciates, exports fall, and unemployment can rise.

3. 💸 Inflation

A weaker currency makes **imports more expensive**, which can lead to rising prices at home (inflation). For example:

- Fuel, electronics, or food from abroad now costs more.
- Businesses pass on the cost to consumers → higher prices.

So, while exports go up, people might also feel the pain at the checkout.

9.3 Globalisation

Marshall-Lerner condition and J-curve

4. Foreign Direct Investment (FDI)

FDI = when companies from abroad invest in your country (e.g. build factories, buy real estate)

- If your currency is weak, foreign investors can get more bang for their buck and they're more likely to invest. BUT... if the currency keeps falling, it signals trouble. Investors might worry the economy is unstable and stay away.
- If the currency is strong, it's pricier for them to do business, so they may look elsewhere

Example: If the Indian rupee weakens, US firms might find it cheaper to open a new office in Mumbai than in London.



The nature of protectionist policies

Free trade is all about countries buying and selling without too many restrictions, based on the idea that everyone should focus on what they're best at; that's called *comparative advantage*. But sometimes, countries put up trade barriers. This is known as **protectionism**; protecting domestic businesses from too much international competition.

Protectionism can take many forms, like tariffs (taxes on imports), quotas (limits on how much can be imported), or rules that make importing tricky (known as administrative barriers).

Here's why countries do it:

1. Protecting New Businesses – Infant industries

If a country has just started producing electric cars, for example, it might struggle to compete with big firms in the USA or Japan. So, the government might protect it with tariffs until it's strong enough to stand on its own.

2. Protecting Jobs (Employment)

If lots of factories close because production moves overseas, thousands can lose their jobs. This is called **structural unemployment**. To prevent this, governments may block or tax imported goods to keep local factories running.

3. Keeping Key Sectors Safe

Certain sectors like food, water, energy, or defence are considered vital for a country's independence. For example, the UK may want to grow its own crops instead of relying entirely on food imports from Europe in case of future supply issues.

4. Dumping - Fighting unfair trade

Dumping is when a country floods another market with products at unfairly low prices (often below production cost), just to wipe out the competition. Think of it as economic sabotage, it's bad news for local businesses.

9.4 Trade policies and negotiations

The nature of protectionist policies

5. Supporting Declining Industries

Some industries are slowly fading away, like coal mining. Governments might help them with support or limit foreign competition to avoid sudden job losses and economic shock.

6. Fixing a Trade Imbalance (Current Account Deficit)

When a country buys way more than it sells (imports > exports), money flows out of the country faster than it flows in. Governments might restrict imports to fix this imbalance and give local businesses a boost.

7. Raising Standards

Some countries make products more cheaply by paying very low wages or ignoring environmental rules. Others might use protectionism to pressure them into better behaviour, like saying, "We won't buy your stuff unless you clean up your act."

8. Unfair Competition

Some countries have super low production costs, maybe because of poor health & safety laws or big government subsidies. That gives them an unfair edge over countries that follow higher standards.

Protectionism can level the playing field.

9. National Security & "Dangerous" Goods

Governments might block imports of things they think are unsafe like faulty electronics, drugs, or weapons. Or they may restrict certain goods if they feel too reliant on another nation.

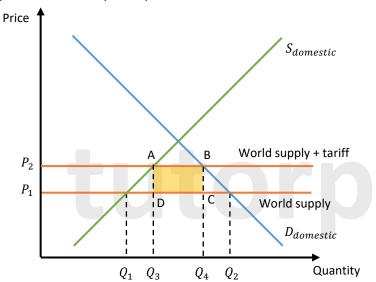
This is often done in the name of **national security**.

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The nature of protectionist policies

Tariffs

Tariffs are just taxes placed on goods that come from other countries aka **imports**. The main goal? To make imported items more expensive so that people are more likely to buy stuff made at home instead.



How It Works:

Let's say there's a product that costs P_1 (thanks to world supply and demand). At that price:

- Local producers are only willing to supply Q_1 .
- But consumers want way more they'll demand $oldsymbol{Q}_2$.
- So, the gap between Q_1 and Q_2 is filled by **imports**.

In other words, the country buys the amount between Q_1 and Q_2 from abroad.

9.4 Trade policies and negotiations

The nature of protectionist policies

Enter the Tariff...

Now imagine the government slaps a **tariff** on that imported good. That pushes the price up from P_1 to P_2 . At this higher price:

- Local producers will now supply more up to Q_3 .
- But consumers won't buy as much demand falls to Q_4 .
- So now the country imports less only the gap between Q_3 and Q_4 .

That shaded box (ABCD) in the diagram? That's government revenue from the tariff.

- What's the Impact?
- **Domestic producers** are happy, they get to sell more.
- The government earns money from the tariff.
- Maybe local workers (more production = more jobs)
- Consumers are worse off, they pay more and get less.
- Kereign producers are worse off, they sell less.
- Overall efficiency decreases because now less competitive firms are being protected.

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The nature of protectionist policies

Quotas

A **quota** is a cap on how much of a certain good a country allows to be imported. Think of it like saying, "Okay, we'll let 10,000 foreign cars in this year but that's it."

When the limit is reached, people can't buy more imports even if they want to, so they're pushed to buy domestically-made products.

Why would a country do this?

- To protect local jobs and businesses (especially in industries like steel or agriculture).
- To give domestic firms a chance to sell more by reducing competition from cheaper imports.

What happens next?

- Prices usually go up, because cheap imported goods are harder to get.
- It might even lead to shortages if local firms can't meet demand.
- But local businesses love it, they get more space in the market and might hire more people.

Real-world vibe: Instead of the UK and steel, imagine Australia putting a quota on imported clothes to protect local fashion brands.

Quotas can cause what economists call a **welfare loss**, which basically means some people lose out – they either pay more, or don't get the product at all. Unlike tariffs (which earn money for the government), quotas often just benefit foreign exporters who manage to sell within the limit.

9.4 Trade policies and negotiations

The nature of protectionist policies

Export subsidies

A **subsidy** is money the government gives to local producers to make life easier for them. It's like giving firms a leg up so they can sell their products more cheaply at home and abroad.

Why give a subsidy?

- To make their goods cheaper and more attractive both at home and abroad.
- To help firms' lower prices without losing profits.
- To boost exports by making products more competitive internationally.
- To help them grow and maybe hire more people.

Subsidies don't always come in the form of cash. Sometimes, they're **indirect**, like tax breaks, cheap loans, or help with research and development.

Example:

Imagine South Korea giving subsidies to tech companies to help them lead in AI development. That kind of support can help firms stay ahead in global markets.

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The nature of protectionist policies

Non-tariff barriers

Non-tariff barriers are rules and regulations that make it harder or more expensive to import goods, without actually slapping a tax (like a tariff) on them. They're less obvious, but they still restrict trade, just in a more subtle way.

Here are a few clever ways countries do this:



1. Health and Safety Rules

These are regulations meant to protect consumers, but they can also act like trade blockers

Example:

Imagine a country bans imported soap unless it contains zero artificial scents. Great for sensitive skin but bad news for soap exporters from places like Indonesia, where natural-scented ingredients are part of traditional products. Suddenly, that unique jasmine bar can't be sold anymore.



An embargo is a total ban on imports from a specific country or of a particular product.

Example:

A country might ban all imports from another country due to political conflict, like when trade is stopped during a diplomatic fallout.



This means the product has to be made a certain way to be allowed in.

Example:

Japan once required imported juice cartons to be a non-standard shape to fit vending machines. Foreign juice companies had to completely redesign their packaging (a pricey change) or get shut out of the Japanese market.

9.4 Trade policies and negotiations

The nature of protectionist policies



4. Environmental Rules

Some countries put eco-standards in place to protect the planet, but they can also block certain imports.

Example:

The EU restricts imports of leather goods that use heavy chemical dyes banned in Europe. If a shoe brand from India or Bangladesh uses those dyes in manufacturing, their products won't make it to European shelves even if they're cheaper or in demand.

5. Voluntary Export Restraints (VERs)

This is when two countries agree to limit how much one of them can export, voluntarily. It's usually done to avoid more aggressive protectionist measures.

Example:

Japan once agreed to limit how many cars it exported to the US to avoid a full-blown trade war. This gave US carmakers time to catch up.

6. Labelling Requirements

These demand that imports have specific information on their packaging. It might seem simple, but it can be expensive and complicated.

Example:

A company wants to sell pasta in a new country, but that country requires 3-language nutrition labels, allergen warnings, and eco-symbols. If that's too much effort or cost, the company might skip that market entirely.

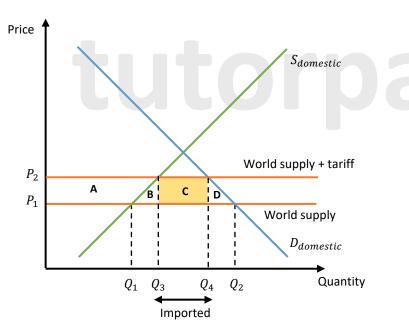
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The causes and consequences of countries adopting protectionist policies

Protectionism is when a country tries to shield its domestic industries from foreign competition using tools like tariffs, quotas, subsidies, and non-tariff barriers. But what does this mean for everyday people, businesses. workers, and governments?

Tariffs

Tariffs are taxes placed on imported goods to make them more expensive. Why? To give an advantage to local producers and reduce how much we rely on foreign products.



9.4 Trade policies and negotiations

The causes and consequences of countries adopting protectionist policies



Domestic Producers (Local Businesses)

Before the tariff:

Local firms were producing a smaller quantity (up to Q_1) and selling at a lower price (P_1) . They weren't super competitive with the cheaper imports.

After the tariff:

Now that imports are more expensive (thanks to the tariff), local businesses can <u>sell</u> more (up to Q_3) and charge a higher price (P_2) .

Good news: Their revenue goes up and they gain what's called producer **surplus** (extra benefit), this is shown by the area marked B in the diagram.



Domestic Consumers (Shoppers Like Us)

Before the tariff:

We were buying more stuff (Q_2) at the lower world price (P_1) . Life was good.

After the tariff:

Now everything costs more (P_2) , and we end up buying less (only Q_4). Bad news: Our choice goes down, and we have to pay more, this means consumer surplus (our benefit) falls; we lose areas A, B, C, and D from the diagram.



After the tariff:

The government earns money from each imported product sold; this is the tax **revenue**. This is the area labelled **C** in the diagram.



🖣 🦣 Standards of Living

Tariffs affect different groups in different ways:

- For consumers, living standards fall because their real income (what their money can buy) drops due to higher prices.
- For workers in protected industries, life may get better because more production means more jobs and possibly better wages.

So, it's a mixed bag: More security for some, but higher prices for most.

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The causes and consequences of countries adopting protectionist policies

Impacts of quotas, subsidies, and non-tariff barriers on different stakeholders.

Consumers:

- Quotas often mean fewer imported goods and less competition, which drives prices up. So, consumers get less choice and have to pay more.
- Subsidies, on the other hand, can be great for consumers. Since they reduce production costs, goods can be sold at lower prices. That means your paycheck stretches further.
- Non-tariff barriers are a mixed bag. They might limit what's available, reducing choice. But they also make sure what you're buying is safe, well-labelled, and environmentally friendly so they can improve the quality of life too.

Governments:

- Quotas don't bring in tariff money directly, but if domestic firms earn more, the government might collect more in taxes like corporation tax later.
- Subsidies cost the government money, so there's always an opportunity cost, basically, that money could've been used for something else like healthcare or education.
- Non-tariff barriers might look "cleaner" than taxes, but they can annoy other countries and get the government into arguments with trade bodies like the WTO. Plus, enforcing those rules takes effort and money.

9.4 Trade policies and negotiations

The causes and consequences of countries adopting protectionist policies

M Domestic Producers:

- Quotas (which limit the amount of imports allowed in) are like giving home producers more space to shine. With fewer competitors, they can sell more stuff, raise prices a bit, and enjoy higher profits.
- Subsidies (which are basically government financial help) lower the costs for local firms. This makes them stronger players in international markets and helps them produce more at lower prices.
- Non-tariff barriers (like strict product standards or health rules) protect them from international rivals. Less competition = more comfort. They might even be able to charge higher prices if they're the only ones meeting those rules.

Foreign Producers:

- Quotas hurt foreign sellers. They can only sell limited amounts, and those who do manage may get a higher price but still sell less.
- Subsidies in one country make it harder for firms in another country to compete, especially if they aren't getting the same support back home.
- Non-tariff barriers can feel like invisible walls. Things like complex labelling, safety standards, or eco-rules make it costly or impossible to enter the market. So, some foreign businesses just give up trying.

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The causes and consequences of countries adopting protectionist policies

Standards of Living:

- Quotas usually mean higher prices and fewer options, that's bad news for consumers, especially those with lower incomes. It chips away at their purchasing power.
- Subsidies, by cutting costs and boosting production, often lead to lower prices, which helps consumers buy more with the same amount of money.
- Non-tariff barriers can go both ways. They might mean fewer choices and higher prices, but they also ensure safer, more informed purchases. For example, better labelling helps you make smarter decisions, which can improve your overall quality of life.

Equality:

- Protectionist measures can help balance the scales between struggling local businesses and giant foreign competitors. For domestic firms, this feels fairer. But for foreign producers, it can seem like the game is rigged.
- Subsidies especially can help level the playing field letting smaller domestic firms compete with bigger, richer ones abroad.
- Non-tariff barriers, like green rules or safety laws, might also promote fairness. If everyone has to meet the same standards, it evens out the playing field in terms of production costs.

9.4 Trade policies and negotiations

The causes and consequences of countries adopting protectionist policies

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Types of trading blocs

Types of Trading Blocs — Explained Simply

A **trading bloc** is a group of countries that team up and make it easier and cheaper to trade with each other. They reduce or remove things like tariffs (taxes on imports), quotas (limits on imports), and other barriers that make trade expensive or difficult.

What's "Economic Integration"?

Economic integration just means how closely countries work together economically. This can range from:

- Low integration, like a basic agreement between two countries to trade a few goods with fewer restrictions (called a bilateral agreement),
- To **high integration**, where countries use the same currency and follow shared economic rules, like the **Eurozone**, where countries share the euro and a central bank.
- What Is a Free Trade Area?

A Free Trade Area is when a group of countries agree to trade with each other without tariffs (taxes on imports) and trade barriers.

But each country is still allowed to **set its own trade rules** with countries **outside the group**.

Example: The UK could trade freely with Canada and Mexico inside the trading bloc but still charge tariffs on goods from China.

9.4 Trade policies and negotiations

Types of trading blocs

What is a Customs Union?

A **customs union** is a group of countries that agree to:

- ✓ Trade freely with each other no tariffs (taxes on imports) on goods moving between them.
- Set the same tariffs on goods coming in from countries outside their group. That means they act like a team when dealing with outsiders.
- **Easy Example: Southern African Customs Union (SACU)**

SACU includes countries like **South Africa, Botswana, Namibia, Eswatini, and Lesotho**.

- They don't charge tariffs on goods they trade with each other.
- But if a product comes from, say, China, they all charge the same tariff.

So, while Botswana and South Africa can trade bananas freely, they both charge the same import tax on electronics from Japan.

What's an Economic Union (e.g. Single European Market [SEM])?

An **economic union** is like a customs union but with extra perks.

- Countries **trade goods and services freely** with no tariffs (just like a customs union).
- **✓** But they also allow the **free movement of the four factors of production**:
- 1. Labour (people/workers)
- 2. Capital (money/investment)
- 3. Land (resources)
- 4. Enterprise (business ideas)

This means a worker from Country A can easily get a job in Country B, or businesses can invest across borders with fewer rules in the way.

Types of trading blocs

Why?

The aim is to make the economy more **efficient**. By letting workers, money, and ideas flow freely, countries can:

- Use their resources better
- Lower production costs
- Boost growth and job opportunities

For example, the Single European Market (SEM)

- Created in 1993, giving 27 countries access to a market of 500+ million people.
- It's a customs union (no tariffs between members + same tariffs on outsiders) and a common market (free movement of goods, people, services, and money).
- Members get EU funding for projects like better transport, retraining workers, and supporting poorer regions.
- **What's a Monetary Union?**

A monetary union is a group of countries that agree to:

- Trade freely with each other (no tariffs or trade barriers),
- Let people, money, and businesses move easily between them,
- Use one shared currency (like the West African CFA franc),
- And have one central bank that manages interest rates and money supply for everyone.

Example: France and Germany both use the Euro. They don't have to worry about exchange rates when trading with each other.

9.4 Trade policies and negotiations

Types of trading blocs

What Do You Need for a Monetary Union to Actually Work?

1. Free Flow of Money

Capital (money and investment) should move freely. Wages and prices also need to adjust depending on how each country's economy is doing.

For example, if the economy slows in **Benin**, wages should be able to fall slightly to keep people employed but that only works if markets are flexible.

2. Financial Support Between Members

If one country gets hit hard by a crisis (like a drought or a recession) the others need to help.

Example: In a perfect system, if **Togo** is struggling, countries like **Ivory Coast** could transfer funds to help balance things out. But in practice, this rarely happens and can cause arguments.

3. Similar Economic Patterns

If one country is booming and another is crashing, it's hard to set one interest rate that works for both.

Example: If **Senegal** is growing quickly but **Guinea-Bissau** is in a slowdown, they may need different monetary policies, which isn't possible with one shared currency.

4. Free Movement of People (Labour)

Workers need to be able to move from country to country to find jobs, just like moving between cities.

Example: In the **East Caribbean Currency Union**, someone from St. Lucia should be able to work in Antigua without needing complicated paperwork.

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Types of trading blocs

↑ What Happens Without These?

If countries don't:

- Let labour or money move freely,
- Have similar economic cycles,
- Or help each other during tough times...

...then the union feels unfair. Some countries benefit more than others. and political tension builds.

9.4 Trade policies and negotiations

Costs and benefits of free trade

Benefits of Regional Trade Agreements

Trade creation

When countries trade more efficiently with each other, everyone wins. They specialise in what they're best at and buy what they need more cheaply from their partners.

For example, Kenya might buy affordable electronics from South Africa instead of further afield, saving money and boosting incomes.

Bigger Market = Bigger Opportunities

Businesses can now sell to a larger group of countries without extra costs. Think of a Kenyan farmer selling easily to Rwanda, Uganda, and Tanzania thanks to the East African Community (EAC).

No tariffs between members

Goods and services move freely across borders without added taxes (called tariffs). This lowers prices for consumers and makes trade quicker and easier.

Shared tariffs for outsiders

Member countries agree to charge the same tariffs to non-members, which makes external trade simpler and fairer.

Easier trading in monetary unions

If countries in a trade agreement share a single currency (like the euro), there's no need for exchange rate calculations or currency conversion. This reduces costs for businesses and makes pricing more transparent.

Access to better financial stability

Some member countries, especially smaller or developing ones, benefit from stronger economic policies and lower interest rates provided by the union's central bank. This can lead to more stable borrowing conditions.

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Costs and benefits of free trade

X Costs of Regional Trade Agreements

Trade diversion

Sometimes, countries stop trading with more efficient producers outside the bloc and switch to less efficient ones inside it. This is called **trade diversion**, and it can actually make global trade less efficient.

Egypt might buy wheat from a trade partner instead of cheaper Australian wheat, not ideal.

Structural unemployment

Some domestic industries might lose out because they can't compete with stronger industries from partner countries. This leads to job losses in certain sectors.

A country's textile factories may shut down if another member produces clothes more cheaply.

Environmental impact

More trade means more production, transport, and energy use, which can damage the environment through pollution and resource overuse.

Expensive and tricky transition to monetary unions

Joining a shared currency is a big step. It requires changing systems, prices, and policies, which can be costly and time-consuming for businesses, especially small ones.

Less control over national policies

Once a country joins a monetary union, it can't set its own interest rates or control how much money it prints. Decisions are made by the union's central authority.

Imagine needing a loan, but someone else decides how much interest you'll pay.

9.4 Trade policies and negotiations

Costs and benefits of free trade

X Costs of Regional Trade Agreements

Loss of sovereignty

Being in a trade bloc means playing by shared rules. Sometimes countries must follow decisions they didn't fully agree with and that can be frustrating when local needs differ.

Not Everyone Wins Equally

Often, richer countries gain more. For instance, Germany may benefit more from the EU than Bulgaria, creating **inequality** across the region.

Loss of Independence

Governments can't always respond quickly to local issues (like changing interest rates or using different economic tools) because decisions are made jointly.

Hard to Form Full Trade Deals

Trade blocs can sometimes stop countries from signing better **bilateral agreements** (one-on-one deals) with others outside the bloc like the UK wanting a unique trade deal post-Brexit.

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Role of the World Trade Organisation (WTO)

What Does the WTO Actually Do?

The **World Trade Organization (WTO)** was created in 1995, replacing an older system called **GATT** (General Agreement on Tariffs and Trade). The WTO's job is basically to keep global trade running smoothly. It has two main goals:

- **1. Trade liberalisation** making it easier and cheaper for countries to trade by cutting tariffs (taxes on imports) and removing trade barriers.
- 2. Making sure countries stick to the trade agreements they've signed.

The WTO believes that free trade helps boost living standards, creates jobs, and generally makes life better for people all around the world.

What If a Country Breaks the Rules?

Let's say one country breaks the rules of a trade deal, another country can **file a complaint** with the WTO.

- The WTO first tries to fix things through talks.
- If that doesn't work, a group of expert's steps in and reviews the case.
- If the complaint is upheld, the country that "wins" the case can use **trade sanctions.** Basically, they're allowed to hit back with taxes or restrictions on the other country's exports.
- **Example**: In 2021, Australia filed a complaint against China after China placed high tariffs on Australian wine. The WTO began a formal investigation into whether this violated trade rules.

9.4 Trade policies and negotiations

Role of the World Trade Organisation (WTO)

What Are WTO 'Rounds'?

The WTO holds big global meetings called **rounds**. These are where countries come together and try to negotiate better trade terms for everyone.

The **Uruguay Round** (1986–1994), for example, led to the creation of the WTO itself. It tackled tough topics like agricultural subsidies and trade in services (like banking and insurance).

Another goal of these rounds is to support **developing countries**; helping them compete more fairly with larger economies.

What's the Catch?

To get anything done, **all countries have to agree**. That's right, even one country can **veto** (block) a decision.

This can be tricky because countries sometimes use their veto for reasons that have nothing to do with trade, like making a political point. So, reaching a deal can be slow and difficult.

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Possible conflicts between regional trade agreements and the WTO

There are hundreds of regional trade agreements (RTAs) in place, think of them like exclusive clubs where a group of countries agree to trade more freely with each other.

Sounds great, right? And for the members, it often is. RTAs can:

- Build stronger ties between neighbouring countries
- Increase trade within the group
- Lower tariffs and trade barriers (just like a group discount at your favourite store)

But here's the catch, these deals can clash with what the WTO is trying to do globally.

So What's the Problem?

The WTO wants to promote free trade for everyone, not just small cliques of countries. That's where things get messy. Here's how:

Trade gets redirected

Sometimes a regional trade deal moves trade away from a nonmember country (that might be really efficient at making something; it has a comparative advantage) to a less efficient member country simply because it's in the club.

- Example: Imagine Vietnam is really good at producing electronics cheaply, but a country like Poland chooses to buy more expensive products from another EU country just to keep it "within the bloc." That's called **trade diversion**, and it's not efficient.
- Common barriers = mini walls Countries in these groups often put trade barriers (like tariffs or quotas) on non-members. That's the opposite of what the WTO is trying to do, which is to knock down those walls, not build them.

9.4 Trade policies and negotiations

Possible conflicts between regional trade agreements and the WTO

Why It Matters

- RTAs may help the members, but they can lead to global inefficiency by messing with the natural flow of trade.
- Goods might not come from the best producers anymore, just the ones inside the club.

That's why the WTO pushes for free trade between all countries, not just mini-groups.



But It's Not All Bad...

RTAs can still work alongside the WTO, kind of like neighbours who don't always get along but still help each other take out the bins.

The WTO encourages regional blocs to keep trade flowing, even with nonmembers. If done right, RTAs can make it easier for outsiders to trade with member countries, rather than shutting them out completely.

Y Is the WTO Too Bossy?

Some critics say the WTO has too much power or that it's unfair to poorer nations.

Developing countries (like Ethiopia or Bangladesh) often struggle to access big markets freely, even though the WTO's mission is equal trade opportunities. Richer countries don't always follow through, they might protect their own farmers or industries instead.

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