

# OCEAN POLLUTION



# TANKERS

- **Oil tankers** carry large amounts of oil across the ocean
- Sometimes, these **ships leak or crash**, causing **oil spills**
- **Oil spills** are very **dangerous** for **sea animals and birds**.  
It covers their feathers or fur and makes it hard for them to swim or stay warm
- One of the **biggest spills ever** was the **Deepwater Horizon** spill in 2010 – it **leaked over 4 million** barrels of oil!





# OCEAN POLLUTION

## - KEY POINTS

- one of the **biggest environmental** problems
- **Chemicals** - Factories and farms **release harmful chemicals** into the water
- **Plastic Waste** - Every year, **millions of tons of plastic end up in the ocean**. This hurts fish and other sea animals.
- **Danger to Marine Life** - Animals **eat plastic**, get stuck in it, or get sick because of pollution
- **Pollution from Cities** - **Trash from cities and factories** flows into the ocean through rivers
- **Climate Change Impact** - Ocean **temperatures rise**, and **sea levels go up**. This is bad for the health of oceans





# GLACIERS

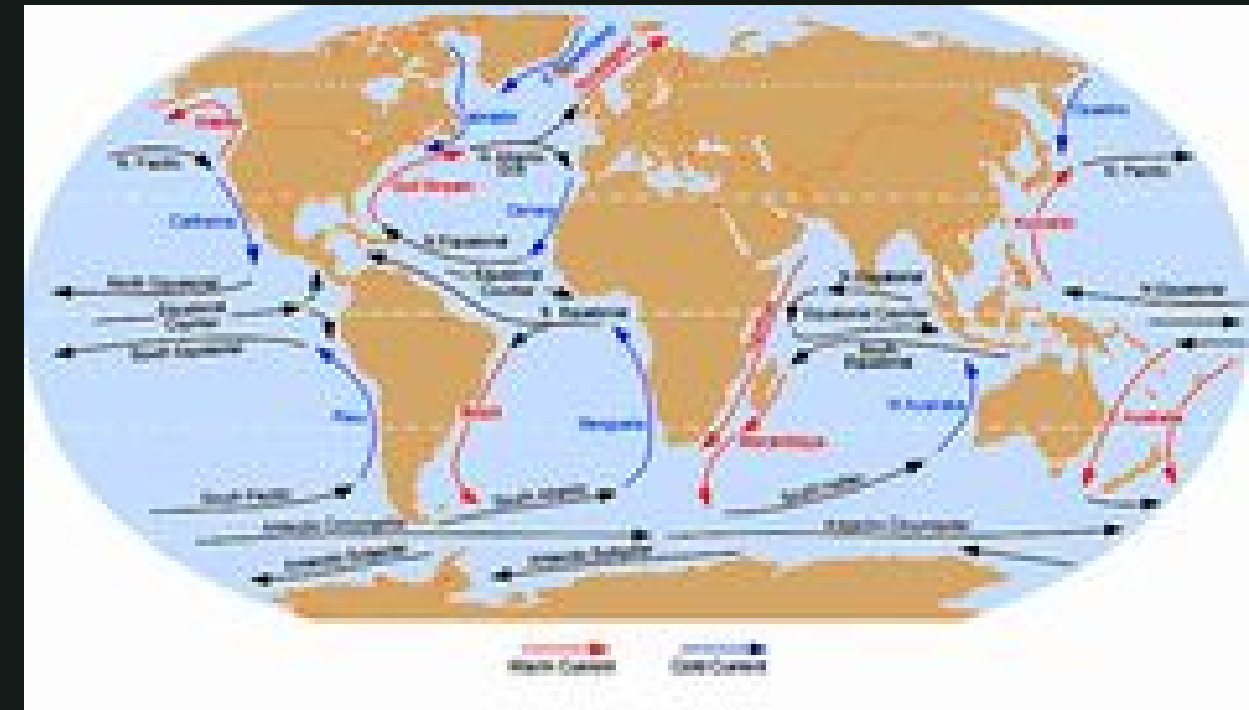
- **Plastic and other trash** make the ocean warmer
- **Warmer oceans** cause glaciers to **melt faster**, especially in the **Arctic and Antarctic**
- **Plastic** can **stop heat** from escaping the ocean, which makes the **warming worse**
- Melting glaciers **raise sea levels**
- **Plastic and chemicals** also make the **ocean more acidic**. This changes how the ocean **handles heat and energy**





# CHANGING CURRENT

- **Scientists** say a very important ocean current (called AMOC) might stop working in the next few **decades** if **global warming** continues
- This **already happened** over 12,000 years ago when **glaciers melted quickly**
- Back then, **temperatures** in the Northern Hemisphere **changed by 10 to 15°C** in **just 10 years**





# GLACIER IN SWEDEN

- Sweden, like other northern countries, is seeing faster glacier melting
- Glaciers in mountains like Kebnekaise (the highest in Sweden) are losing a lot of ice
- This is caused by global warming





# FUNFACTS

- By 2050, there could be **more plastic** in the ocean than **fish (by weight)**, if we don't change things
- **Plastic doesn't go away – it breaks into tiny pieces called microplastics.**  
These are now **found in fish, salt, and even in human blood**
- **Plastic bottles take 450 years to break down** in the ocean
- **Sea turtles love jellyfish** but they often **mistake plastic bags for jellyfish** and eat them, which can **kill them**

**150 Million Tons of plastic are floating in the ocean.**

**around 4.8 million tons of waste are created every year**

[ocean pollution video](#)



# *THANK YOU*



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