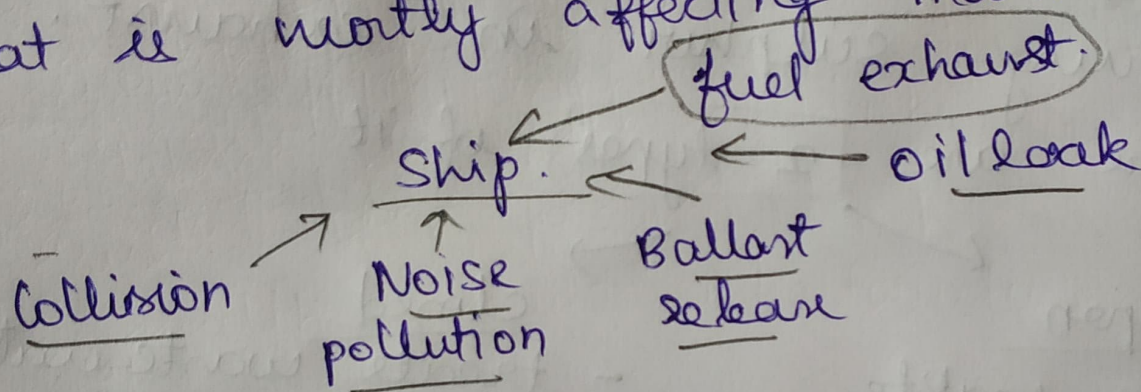


Shipping Industry plays crucial role in economic development, It is like a blood vessel in trade. It is mostly suitable for heavy and bulk cargo.

Shipping Industries cause pollution that is mostly affecting marine life.



Fuel Exhaust:

- The ship release chemicals like Nitrous Oxide, Sulphur oxides from exhaust.

- The both are agents that cause acid rain - there by causing ocean acidification.

- Sulphur causes vegetation loss as well.

- IMO (UN) body created Sulphur vision 2020 - by banning sulphur heavy fuel this will reduce sulphur pollution by 77%, reducing 8.5 mtonnes of Sox.

- ships opted for scrubbers for removing sulphur in exhaust.

- There are 2 types of it.

open

release waste water into ocean

closed

- treats waste water then releases.

- How scrubbers work? - They are high volume, high speed, water spray that absorbs pollutants.

- Most of ships opted for open scrubber which releases waste water directly risking marine life and accumulation of toxin in food chain.

- SDG Goal 14 aims life below water - shipping industry is vital for it - it needs to move towards closed scrubber.