

MARINE LITTER

Using the following articles:

'Plastic Ocean'

'Marine Litter'

'Trash that kills'

List **10 sources** of marine litter (include both land- and ocean-based sources).

Sea-based :

- Merchant shipping, ferries and cruise liners.
- Fishing vessels
- Military fleets and research vessels.
- Pleasure craft
- Offshore oil & gas platforms
- Aquaculture installations.

land - based

- Municipal landfills (waste dumps) located on the coast
- Riverine transport of waste from landfills, etc., along rivers & other inland waterways
- Discharge of untreated municipal sewage & storm water
- Industrial facilities
- Tourism

Describe **10 effects** of marine litter on organisms and on ecosystems.

organism

- entanglement
- Damage to coral reefs.
- ghost fishing
- Ingestion.
- Damage to the health of humans.

Ecosystem

- Destruction or smothering of the seabed.
- Accumulation of toxic substances.
- Transportation of invasive species.
- Disturbances from mechanical beach cleaning
- Contamination of beach, harbours and marinas.

List 10 solutions to the problem of marine litter.

- political & legal initiatives → conventions & action plans.
- Research & development projects.
- Good waste management.
- laws on the prevention of sea-based sources.
- _____ land _____.
- Education, information.
- Clean up operations & campaigns.
- NGOs: surveys + beach clean-ups.
- ↑ local planning and management capacity.
- Improve port reception facilities & better waste management.