

Causes of plastic pollution

- Biodegradable plastics: Development and adoption of alternatives to plastic

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- Plastic waste bans: Policies banning single-use plastics like straws, bags, etc.

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- Ocean cleanup initiatives: Projects like The Ocean Cleanup aimed at reducing ocean plastic.

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- Recycling technology innovation: Advances in recycling methods to handle mixed plastics more efficiently.

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Environmental impact

- Harm to marine life: Ingestion or entanglement in plastic debris.

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- Destruction of habitats: Coral reefs and ecosystems get damaged by plastic waste.

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- Microplastic contamination: Tiny plastic particles end up in water bodies.

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- Disruption of food chains: Marine organisms ingesting microplastics affects higher species, including humans.

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health and human impact

- Contaminated seafood: Humans consuming seafood with microplastics.

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- Chemical exposure: Plastics release harmful chemicals into the environment.

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- Air pollution from burning plastics: Incineration of plastic waste leads to harmful emissions.

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- Health risks to vulnerable communities: Coastal communities suffer due to proximity to polluted waters.

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solutions and innovations

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awareness and change

- Educational campaigns: Teaching people about the dangers of plastic pollution.

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- Zero-waste lifestyle adoption: Promoting reusable and eco-friendly alternatives.

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- Corporate responsibility initiatives: Encouraging businesses to adopt sustainable packaging.

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- Community-driven cleanup events: Organizing local efforts to clean up beaches, rivers, and parks.

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