

Essential Questions	Concept	Objectives
What is water Pollution?	Any body of water that is infected by chemicals or other harmful matter that affects humans, plants, and animals.	To understand what water pollution is
What are three of the five different industrial wastes dumped in the ocean causing water pollution?	Dumping of industrial wastes, containing heavy metals, harmful chemicals, byproducts, organic toxins, and oil.	Recite three different industrial wastes.
About how many people get diseases due to contaminated drinking water?	About 14,000 people per year obtain diseases due to the consumption of contaminated drinking water.	Know the number of people a year who get diseases from drinking water.
What used in a home can cause water pollution?	Pesticides and other toxic chemicals used in a home environment run off into the water and can cause diseases in fish.	Know what cleaning products can do to our water.
How is oil part water pollution?	Oil from industrial and automotive runoff and oil spills can coat the skin of fish and kill them. Oil also damages the protective ability of the skin to keep the marine mammals warm. Oil also forms thick layer which causes fish to suffocate and die.	Explain what oil can do to animals, especially marine mammals.
What do we see every day that causes water pollution?	Trash, especially plastic, cause a lot of death to fish. Plastic takes hundreds of years to biodegrade and stay in the water for a long time.	To know that trash is a horrible form of water pollution.
What are some organic water pollutants?	Some organic pollutants are food processing waste, including pathogens and tree and brush debris from logging operations.	Knowing some organic water pollutants.

What are some inorganic water pollutants?	Some inorganic pollutants are heavy metals including acid mine drainage and silt in surface runoff due to logging, slash and burn practices, construction sites or land clearing sites.	Know some inorganic water pollutants.
What are a couple other trash items that harm marine wildlife?	Metal, rope, nets and Styrofoam are other trash that harms marine wildlife.	Recite other pollution that harms marine wildlife.
How does the temperature cause water pollution?	Water temperature changes caused by power plants tend to kill off coral and cause other marine life to relocate to find more habitable temperature.	Understand how temperature is a part of water pollution.
What do industries and vehicles give off that cause water pollution?	Harmful chemicals from industries and hazardous smoke from vehicles directly target water contamination.	Know that smoke and chemicals target water pollution.
How do marine mammals die from plastic?	Fish can mistake plastic for food and eat it. When it is eaten, plastic can cause blockage in the digestive system and cause an animal to remain full so they don't eat and starve. Marine mammals also get caught in plastics and other trash.	Explain how marine mammals die from plastic.