



ISD Virtual Learning

Contemporary Issues Lesson

#16

April 13, 2020



Contemporary Issues

Lesson 4: April 16th: Types of Pollution; Causes and Effects

Objective/Learning Target: Students will be able to identify different types of pollution and their causes/effects.

Warm Up

Last week, for Contemporary Issues, we talked about how to find reliable sources in the news. From this week on, you will use those skills to learn about different issues facing the world (not just COVID-19). This week's topic is pollution and climate change.

Directions: Look at the following images. All of these are examples of different kinds of pollution. On a separate sheet of paper write a short paragraph (3-4 sentences) describing **how often you see these kinds of pollution** and also **what you know about them already**. It's okay to say you don't know anything!

Land pollution



Water pollution

Air pollution

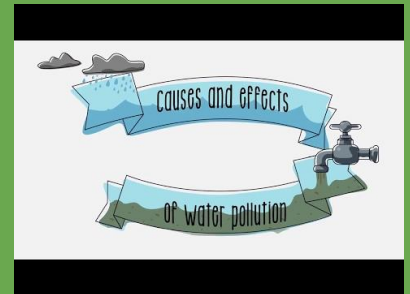


Lesson Activity

Directions: Watch both videos about pollution. As you watch, create and fill out the following charts on your separate sheet of paper. (Aim to fill in 1-2 things in each of the gray boxes.)

Types of Air Pollution		
1. Greenhouse gases	2. Smog	3. Toxic pollutants
Causes:	Causes:	Causes:
Effects:	Effects:	Effects:

Water Pollution	
Causes:	Effects:



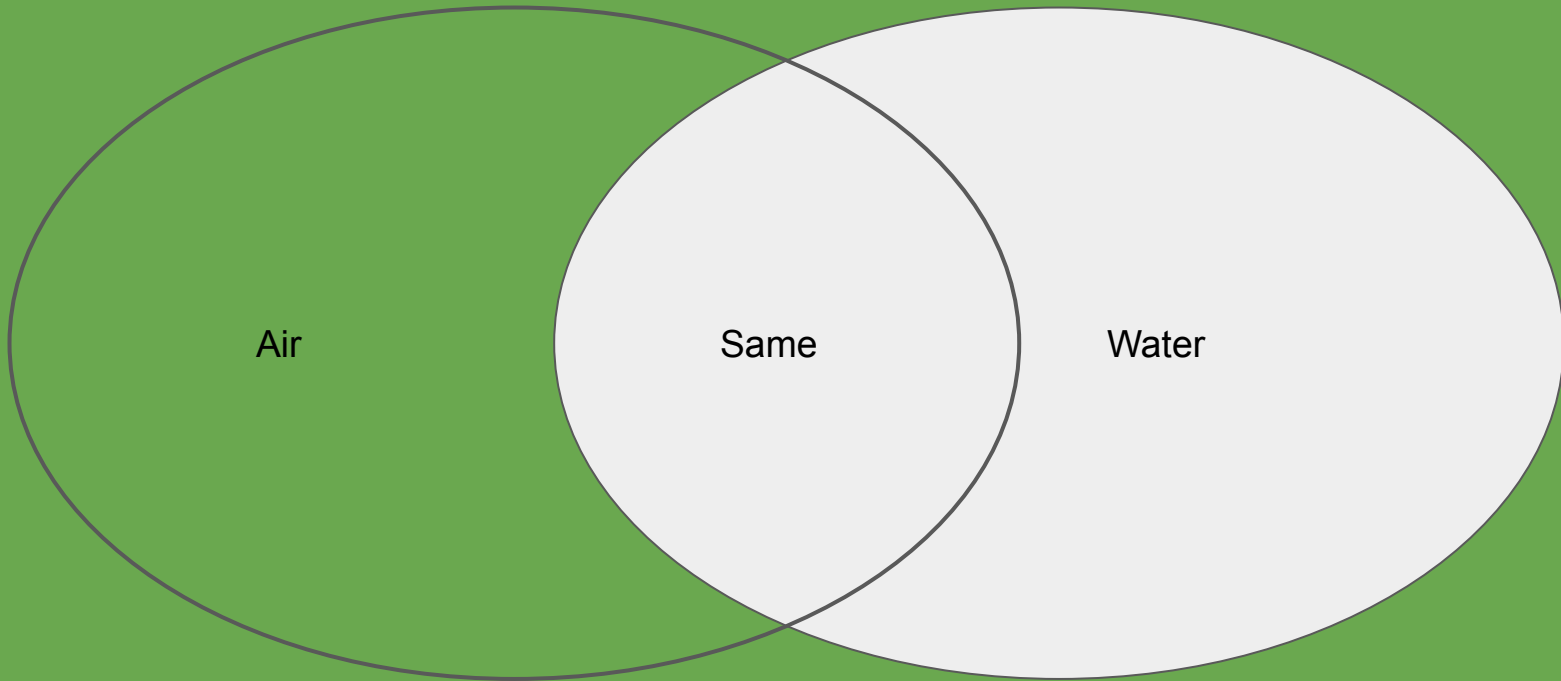
Lesson Activity - Answer Key

Types of Air Pollution		
1. Greenhouse gases	2. Smog	3. Toxic pollutants
Causes: Burning fossil fuels	Causes: Burning coal with sulfur in it; nitrous oxides from cars, factories, etc.	Causes: Chemicals released during gas or coal combustion or burning waste or gasoline
Effects: Climate change, rising global temperatures; more smog; more mold; more pollen	Effects: Low visibility; damaging to plants; respiratory distress	Effects: Environmental problems; health problems-cancer, birth defects, etc.

Water Pollution	
Causes: Humans: dumping of waste, deforestation puts sediment and bacteria in water, pesticides, oil spills	Effects: Disappearance of biodiversity/ecosystems and human illness

Practice

Compare and contrast water and air pollution by creating a Venn diagram on paper or electronically.



Reflection

Answer the following questions on your paper:

- If so many people know about the harmful effects of pollution why does humanity continue to pollute the environment? Why don't we just stop?
- Why do you think some people may not care about climate change or pollution?