**Guided Notes: Water Pollution**

Water pollution is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of water resources by various pollutants, affecting water quality and ecosystem health.

**Key Concepts:**

• Water pollution can affect both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ water sources.

• \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pollution comes from a specific, identifiable source.

• \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pollution doesn't have a specific point of origin.

• Common water pollutants include:

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can harm aquatic life

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can cause algal blooms

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can contaminate drinking water

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can persist in the environment for long periods

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can introduce harmful bacteria

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can increase water acidity

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can harm marine life and ecosystems

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can leach toxins into water

 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can deplete oxygen in water

**Real World Examples:**

1. School Car Wash Fundraiser: When soap and dirty water from car washes run into storm drains, it becomes a form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pollution that can harm local waterways.

2. Plastic Water Bottles: Single-use plastic bottles often end up as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in oceans and lakes, contributing to water pollution and harming marine life.

**Word Bank:**

contamination

surface

groundwater

point source

nonpoint source

sediment

nutrients

pathogens

persistent organic pollutants

sewage

acid rain

oil spills

plastics

thermal pollution

nonpoint source

litter