

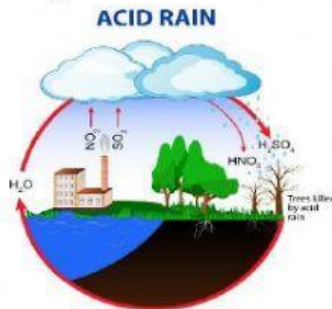
## Formative work on Pollution Vocabulary to know

**I. Directions: Read the text. Write the vocabulary word that best fits on each line.**

**Directions:** Look carefully at the illustration and read the accompanying text and labels in order to learn about pollution.

As you read, try to determine the meanings of the new content words.

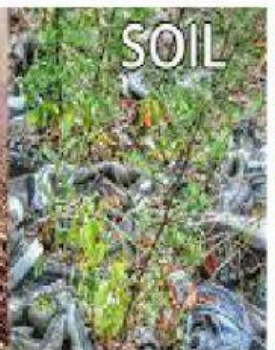
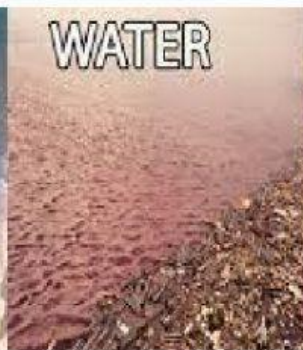
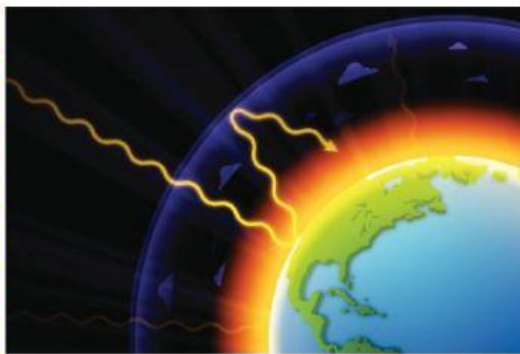
Acid rain, caused when chemical pollution mixes with water vapor in clouds, can kill fish, animals, and plants, and damage stone and metal in sculptures, buildings, and bridges.



At this landfill, plastic containers and wrappers may litter the earth for centuries. They are not biodegradable.

Industrial smog, such as factory smoke and car exhaust, contributes to air pollution.

Greenhouse gases such as carbon dioxide are released by the burning of fossil fuels and form an atmospheric layer that traps heat on the earth. This causes the temperature of the earth to rise. If global warming increases, polar icecaps may melt, raising sea levels and flooding coastal cities.



Pollution affects the air, water, and land. Chemical waste from car exhaust, oil refineries, and factory smokestacks spread far beyond where they are released. Chemicals used on the soil may spread through the food chain and may drain into waterways. Litter that is not biodegradable, oil spills, and poisonous solid wastes pose a long-term problem. The gradual warming of the planet's atmosphere may force major changes in the environment in the future.

### Vocabulary

acid rain, biodegradable, global warming, greenhouse gases, industrial smog

**Word Learning Tip!** When you read about a new subject, you may see words you have not seen before in your everyday reading. These words are often the longest and most difficult in the text. They tell you something specific about the topic. To learn these new words, think about the big idea or subject. In this lesson, the topic is pollution.





### Vocabulary Building Strategy

To learn the meaning of content words that tell about a new subject, make connections between the unknown word and the big idea or subject. The new word will tell something specific about that big idea or subject. Tie together the big idea and the meanings of other content words that you know in the text. This will help you learn the exact meaning of the unknown content words.

### II. Connect Words and Meanings: Words About Pollution

**Directions:** Read each definition below and write the vocabulary word that fits in the blank. Then fill in the vocabulary word in the sentence that matches the definition. You may use your dictionary to help you.

acid rain	biodegradable	global warming	greenhouse gases	industrial smog
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1. Definition: gases in the earth's atmosphere, such as carbon dioxide, that trap the sun's heat, causing warming of the Earth \_\_\_\_\_
2. \_\_\_\_\_ from automobile exhaust are a cause of global warming.
3. Definition: easily broken down by the action of living organisms such as bacteria \_\_\_\_\_
4. Milk containers made of plastic or coated with it are not \_\_\_\_\_.
5. Definition: air pollution caused by industry, such as factory smokestacks \_\_\_\_\_
6. \_\_\_\_\_ can develop in big cities or other urban areas with heavy traffic and many factories.
7. Definition: a gradual increase in the temperature of the lower atmosphere of the Earth \_\_\_\_\_
8. \_\_\_\_\_ may cause the temperature of our planet to rise.
9. Definition: rain that contains dissolved acids as a result of the reaction of water with air pollution \_\_\_\_\_
10. \_\_\_\_\_ can kill living things and can damage stone and metal.

### III. Use Content Words

acid rain	biodegradable	global warming	greenhouse gases	industrial smog
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**Directions:** Write the correct vocabulary words in the blanks in the text under the chart.

Pollution is many separate problems that are all part of one big problem. For example, the burning of fossil fuels such as oil releases (1) \_\_\_\_\_ such as carbon dioxide. These gases act like the glass in a greenhouse, trapping heat. This leads to (2) \_\_\_\_\_, which may change the climate throughout the world. As a result of global warming, the sea level in some places may rise. In other areas, too much water may evaporate, forming deserts. Burning fossil fuels releases sulfur dioxide and nitrogen dioxide. These gases combine with water vapor to form acids that fall to the ground as (3) \_\_\_\_\_. The smoke from burning fossil fuels in factories adds tiny solid particles to the air, creating unhealthy (4) \_\_\_\_\_.

IV. The chart shows some steps that can be taken to control pollution. Fill in the blanks with vocabulary words.

acid rain

biodegradable

global warming

greenhouse gases

industrial smog

