

Name: _____

The Way We Live Matters

We make thousands of choices each day. We choose what to eat and drink, where to go, and when to go. Some of these choices help the **environment**. Others cause **pollution**, dirtying our water, land, and air.

Pollution comes in many forms. It is the smog in the air. It is plastic litter at the beach. It is **toxic** chemicals, polluting our water. Pollution harms all living things. It destroys animal homes and kills wildlife. Pollution is thought to cause climate change. It may even be the source of serious illnesses such as cancer.



Pollution is caused by the choices of many people. We can help stop pollution by making different choices. Many of these choices are simple. We can stop using single-use plastic. These are items such as plastic water bottles and plastic bags. Another way to help is to **recycle** glass, paper, and plastic trash. If we do just a few small things to help the environment, we can make a big difference!

1. What does the word *toxic* likely mean?
 - a. fluid
 - b. clear
 - c. poisonous
 - d. harmless
2. Circle the two details that support the following main idea.

Main Idea Pollution damages the environment in many ways.

Detail 1: Pollution causes all types of illnesses.

Detail 2: Pollution destroys animal homes and kills wildlife.

Detail 3: Pollution damages the air and water, but not land.

Detail 4: Pollution dirties our air, water, and land.

3. Describe three examples of *pollution*. Use complete sentences in your response.

Example 1: _____

Example 2: _____


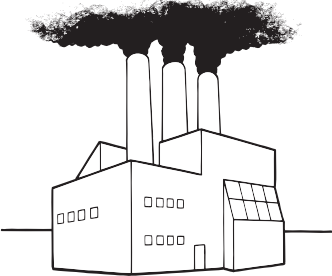
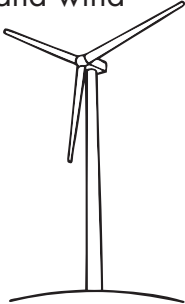

Example 3: _____

UNIT 20: Reducing Our Impact

Name: _____

Types of Pollution and How to Help

Directions: Study the chart. Then, respond to the questions below.

Types of Pollution	How to Help
<p>Water pollution includes trash found in the ocean and other bodies of water. Common examples of trash include plastic water bottles, plastic bags, and plastic straws.</p> <p>Animals can be harmed or killed when they mistake plastic for food. Plastic is also thought to leak deadly chemicals into the ocean.</p>	 <p>We can reduce water pollution by purchasing reusable bottles instead of single-use plastic bottles. We can also use cloth bags instead of plastic bags.</p>
<p>Air pollution includes gases such as carbon dioxide and methane. These gases contribute to climate change. Carbon dioxide is released when we drive cars, fly on planes, or power factories with fossil fuels such as coal.</p> 	<p>We can reduce air pollution by using cleaner sources of energy such as solar and wind energy.</p> <p>We can power our factories with these sources of energy instead of fossil fuels.</p> <p>Driving electric or hybrid cars also helps reduce air pollution.</p> 
 <p>Land pollution includes landfills overflowing with trash and any type of littering.</p>	<p>We can reduce land pollution by refusing to litter, recycling our trash, and volunteering to clean up our communities.</p> <p>Also, we can buy in bulk so that there is less packaging to throw away.</p>

1. What are the two most important facts listed above? Explain why you think each of these facts is important. Use the back of the page if you need more room.

2. Which of the suggestions listed above do you think would be the easiest to get most people to do?

Why? _____

Name: _____

Start a Movement!

You don't have to be an adult to change the world. Kids can make a big difference. You can create big change by starting a movement in your community. This was certainly the case for Chase and Vance, two Boy Scouts on a mission.

It all started when Chase and Vance saw a giant pile of books that were on the way to a landfill. The two boys decided to **reduce** waste and save the books. This is how their project, *read.repeat.*, was born.

The goal of *read.repeat.* is to collect used books and send them to places that need them. Chase and Vance have donated books to schools, hospitals, and libraries. By doing so, the two boys prevent unnecessary waste and provide a great service to their community.



In just a few years, Chase and Vance have collected more than 47,000 books. They have donated over 44,000 of these books. In the future, *read.repeat.* hopes to donate 50,000 books each year!

1. What does the word *reduce* likely mean?
 - a. to make larger
 - b. to refill often
 - c. to make smaller
 - d. to wash away

2. This passage is mainly about _____.
 - a. how to start your own environmental movement
 - b. how two boys made a big difference in their community
 - c. the importance of reading
 - d. the best way to recycle

3. What kind of movement could you create to help the environment?

Answer Key *(cont.)*

Preparing for a Flood (page 94)

1. Dams
2. pump
3. prevent
4. Artificial
5. tsunamis
6. sealant
7. elevate
8. levee

Draw It! Check that student responses and drawings are appropriate.

Flood Ready (page 95)

Check for appropriate answers.

Unit 19—Natural Resources

Earth's Resources (page 96)

1. In any order: renewable, nonrenewable
2. nonrenewable; they take a long time to be created by nature
3. renewable; they are easily created by nature

Types of Resources (page 97)

1. renewable; answers will vary, but students may mention that plants grow quickly and are easy for nature to make
2. renewable; answers will vary, but students may mention that sunlight is always available
3. nonrenewable; answers will vary, but students may mention that oil takes a long time for nature to make
4. nonrenewable; answers will vary, but students may mention that coal takes a long time for nature to make

The Fuel of Modern Life (page 98)

1. b
2. Facts 2 and 3 should be checked.
3. Check for appropriate answers.

Word Study—Natural Resources (page 99)

Check for appropriate answers.

My Science Blog—Natural Resources (page 100)

Check that students have written about natural resources, including facts about fossil fuels and examples of renewable and nonrenewable resources.

Unit 20—Reducing Our Impact

The Way We Live Matters (page 101)

1. c
2. Details 2 and 4 should be circled.
3. Check for appropriate answers.

Types of Pollution and How to Help (page 102)

1. Check for appropriate answers.
2. Check for appropriate answers.

Start a Movement! (page 103)

1. c
2. b
3. Check for appropriate answers.

Word Study—Reducing Our Impact (page 104)

Check for appropriate answers.

Pollution I See (page 105)

Check for appropriate answers.

My Movement (page 106)

1. Possible answers: water, air, or land.
2. Check for appropriate answers.
3. Check for appropriate answers.

My E-flyer: Check that students have designed an e-flyer that includes an illustration and describes their environmental movement.