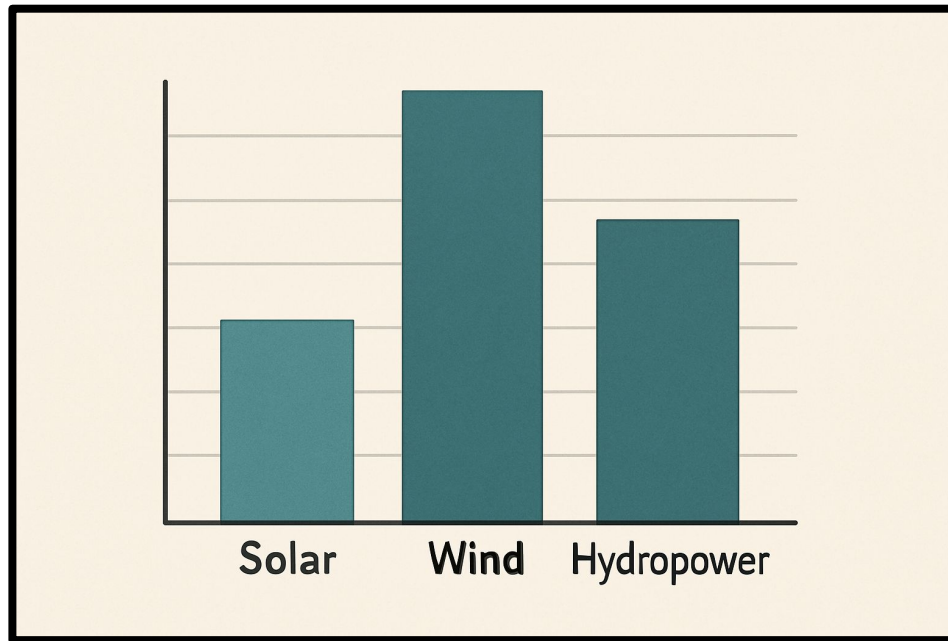


Reading Comprehension Worksheet: Illustrations

Read the short story and answer each question.



Power from Nature

More people around the world are switching to **renewable energy**—clean power that doesn't run out. The most common types are **solar**, **wind**, and **hydropower**. Each uses nature to create electricity, but in different ways.

Solar energy comes from the sun. Solar panels on rooftops or in open fields capture sunlight and turn it into electricity.

Wind energy uses large turbines. When wind spins the blades, the turbine creates power.

Hydropower comes from moving water. Dams help collect water, and when it flows through tunnels, it spins machines to make electricity.

All three are clean and renewable, but they are not used equally in every country. The bar graph shows how much electricity comes from each source in the U.S. The tallest bar shows which type is used most, and the shortest shows which is used least.



Name: _____

Power from Nature

1. What does the bar graph help you understand?

- A. How long turbines have been used
- B. Which energy source is used most in the U.S.
- C. What solar panels are made of
- D. How fast rivers flow in dams

2. Which source is used the least, based on the graph?

- A. Wind
- B. Hydropower
- C. Solar
- D. Coal

3. Fill in the blank:

The **bar graph** shows how much each energy type is _____ compared to the others.

4. The bar graph shows how much each energy type is _____ compared to the others.

5. Why would a bar graph be a better choice than a map or diagram for showing this kind of information?



Instructional Guide

Guide Reading Level: S

Lexile Level: 850L-1000L

Grade Level: 4th Grade, End of the Year

Genre: Informational Nonfiction – Environmental Science

Introducing the Text

“Today we’ll learn about three common types of renewable energy and compare how much each is used in the U.S. We’ll also study a bar graph and talk about how visuals like this help us understand facts and comparisons in nonfiction texts.”

Vocabulary: renewable, hydropower, solar panel, turbine, electricity

Before Reading Discussion Questions

1. What do you already know about solar, wind, or water energy?
 2. Have you ever seen a solar panel or wind turbine?
 3. What kind of graphs have you seen before in school?
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During Reading Discussion Questions

1. Which energy type uses moving water?
 2. How does the sun help create electricity?
 3. Which part of the text connects to the visual?
-

After Reading Discussion Questions

1. What does the bar graph tell you that the text doesn’t?
 2. Why does seeing the bars side by side help you understand which is used most?
 3. How would this information be harder to understand without the graph?
-

Activity Idea

Give students a blank bar graph template and ask them to draw their own version based on a short list of imaginary energy stats (e.g., Wind = high, Solar = medium, Hydropower = low). Then have them write one sentence explaining what the graph shows.

