

Energy Transformation

READ ALOUD PASSAGE

Energy is always on the move. It changes from one form to another, and scientists call this an energy transformation. A simple example is a wind-up toy. When you wind it up, you are storing energy in a coiled spring. When you let it go, that stored energy changes into movement energy and the toy moves.

Energy can also travel from one place to another. Light energy travels from the sun all the way to the Earth. Heat energy can travel through objects, like a metal spoon getting hot in a warm bowl of soup. Sound energy travels through the air from a speaker to your ears.

Some sources of energy can be used over and over again. The sun keeps shining. Wind keeps blowing. Moving water keeps flowing. These are called renewable energy sources. Other sources of energy, like coal and oil, took millions of years to form inside the Earth. Once we use them up, they will not form again for millions of years. These are called nonrenewable energy sources.

Whether energy is renewable or nonrenewable, it is always changing forms and always making things happen.

Activity 1: Word Sort Challenge

Sort the words in the box. Write each word under the right heading.

WORD BANK

spring wind spoon speaker shining flowing blowing moves soup toy

Nouns

Verbs

Activity 2: Because, But, So

Finish the sentence two ways. After because, tell why. After but, tell something different or surprising.

Coal is nonrenewable because

Coal is nonrenewable, but

Activity 3: Statement or Question?

Read each sentence. Write S if it is a statement or Q if it is a question. Then add the correct end mark on the line.

☐ 1. Is wind a renewable energy source ____

☐ 2. The sun keeps shining ____

☐ 3. How does a wind-up toy move ____

☐ 4. Coal took millions of years to form ____

Activity 4: Sentence Scramble

These words are mixed up. Put them in order to make a sentence. Start with a capital letter and end with a period.

1. is / energy / always / on / the / move

2. wind-up / is / simple / toy / a / example / a

3. travel / energy / from / can / place / one / another / to / also
