

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 are gone. These are called nonrenewable energy sources.

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

Activity 1

Fill in the blank with the correct word from the word box.

WORD BOX

renewable nonrenewable transformation stored travels

1. When energy changes from one form to another, it is called an energy _____.
 2. A wound-up spring has _____ energy ready to be released.
 3. Light energy _____ from the sun to the Earth.
 4. The sun and wind are examples of _____ energy sources.
 5. Coal and oil are _____ because once they are used, they are gone.
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Activity 2

Put the words in the correct order to make a complete sentence.

1. energy / forms / changes / one / from / to / another

2. sources / renewable / used / be / over / can / again / and / over

Activity 3

Write one of each type of sentence about energy transformation.

Statement (Declarative):

Question (Interrogative):

Exclamation (Exclamatory):

Command (Imperative):

Activity 4

Combine the short sentences below into one smooth sentence.

1. · The sun produces light energy.
 · Plants use it to grow.

Combined sentence:

2. · Coal is a source of energy.
 · It took millions of years to form.

Combined sentence:
