

Grade: 3

Subject: Science

Topic: Energy



ANSWER KEY

1. Which of these is an example of using light energy?

A) Reading a book with a lamp ' CORRECT

B) Eating a sandwich

C) Sleeping in a dark room

D) Feeling the warmth of the sun

2. What type of energy do we get from food?

A) Light energy

B) Sound energy

C) Chemical energy ' CORRECT

D) Heat energy

3. A rolling ball eventually stops. What happened to its energy?

A) It disappeared

B) It turned into light

C) It turned into heat and sound ' CORRECT

D) It was destroyed

4. If you rub your hands together quickly, they get warmer. What type of energy is being transformed?

A) Light energy to heat energy

B) Sound energy to heat energy

C) Mechanical energy to heat energy ' CORRECT

D) Chemical energy to heat energy

5. A wind turbine uses wind to generate electricity. What type of energy is transformed into electrical energy?

A) Chemical energy

B) Heat energy

C) Mechanical energy ' CORRECT

D) Sound energy

6. Imagine you are building a solar-powered car. What part of the car uses the sun's energy directly?

A) The wheels

B) The steering wheel

C) The solar panel ' CORRECT

D) The battery

7. A plant grows taller using energy from the sun. What process allows this to happen?

A) Respiration

B) Photosynthesis ' CORRECT

C) Digestion

D) Combustion