

## **Forms of Energy**

**Directions:** Use your textbook to respond to each statement.

- 1. Energy is the ability to cause change. Potential energy is energy that is stored; kinetic energy is the energy an object has while it is in motion.**

Use the example of fireworks to describe how potential energy can change into energy in other forms.

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- 2. There are several forms of potential energy, including gravitational potential energy, elastic potential energy, and chemical potential energy.**

Give examples of these three forms of potential energy.

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- 3. Work is the transfer of energy that occurs when a force is applied over a distance.**

**Describe** the relationship between energy and work in your own words.

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- 4. Energy comes in many forms, including mechanical, sound, thermal, electrical, radiant, and nuclear.**

**Choose** one of the forms of energy listed above and give an example of how it works.

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