

The Nature of Energy

Directions: Draw a line from each type of energy on the left to the example of this type of energy on the right.

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|-----------------------------------|--|
| 1. kinetic energy | energy that is stored |
| 2. chemical potential energy | energy stored in a stretched spring |
| 3. gravitational potential energy | energy of a spinning bicycle wheel |
| 4. elastic potential energy | energy stored in food |
| 5. potential energy | energy stored in a boulder on a mountainside |

Drag and Drop

energy more less potential
kinetic kinetic joule chemical

- Two baseballs have the same mass. The ball that is closer to the ground has _____ gravitational potential energy than the other ball does.
- Two trucks have the same velocity but different mass. The truck with the greater mass has _____ kinetic energy than the other truck does.
- _____ is the ability to cause change.
- A _____ is a unit of measure of all forms of energy.
- When an object falls, some of its _____ energy changes to _____ energy.
- The _____ energy of an object depends on its mass and velocity.
- The energy of food and other fuels is _____ potential energy.