

Energy Transformations Quiz

1. You dropped a golf ball from 100 cm in the air. It bounced back to 80 cm. Why did it not return to the 100 cm mark?
 - a. Energy was lost while it fell.
 - b. Energy was added to it when it hit the ground.
 - c. Energy was transformed when it hit the ground.
 - d. Energy was lost while it was back up.
2. Mark places new batteries in his CD player and turns it on. Identify the correct energy transformation.
 - a. Electrical $\rightarrow$ chemical $\rightarrow$ mechanical and sound
 - b. Chemical $\rightarrow$ electrical $\rightarrow$ mechanical and sound
 - c. Sound $\rightarrow$ chemical $\rightarrow$ mechanical and electrical
 - d. Mechanical $\rightarrow$ chemical $\rightarrow$ electrical and sound
3. The energy that a log has is transformed when burned. How does the chemical energy of the log compare to the heat and light energy it is transformed into?
 - a. The amount of chemical energy is equal to the amount of heat and light energy.
 - b. The amount of chemical energy is less than the amount of heat and light energy.
 - c. The amount of chemical energy is more than the amount of heat and light energy.
 - d. There is no way to know.
4. A moving car, flowing water, and a thrown football each contain this type of energy.
 - a. Electrical Energy
 - b. Sound Energy
 - c. Mechanical Energy
 - d. Light Energy
5. What is a joule?
 - a. The unit of measurement describing the change in speed in a unit of time.
 - b. A unit of energy describing a change in position or motion due to a force.
 - c. A unit measuring the amount of energy we get from various foods.
 - d. The unit required to move 1 kg of mass 1 height.
6. Energy stored due to an object's ability to return to its original shape after being stretched or compressed is:
 - a. Kinetic Energy
 - b. Gravitational Potential Energy
 - c. Elastic Potential Energy
 - d. Chemical Potential Energy
7. Imagine an object held at some height above the ground. It is released and falls toward the ground. Ignoring air resistance or friction, which of the following must be true?
 - a. Before it falls, all of its energy must be potential energy.
 - b. At the end of its fall, all of its energy must be converted to kinetic energy.
 - c. During its fall, the combination of its kinetic and potential energy must equal the amount of potential energy with which it started.
 - d. All of the above.
8. A student placed one hundred dominoes upright in a row. He knocked over the first domino and the rest all fell over one after another. What made the domino at the end of the row move?
 - a. chemical energy
 - b. heat energy
 - c. mechanical energy
 - d. electric energy
9. The flashlight uses three different forms of energy. Which of these shows the energy changes in the correct order?

Grade 7 Science Energy Transformations Quiz

Shasha Hu



Grade 7 Science Energy Transformations Quiz:

Unveiling the Magic of Words: A Overview of "**Grade 7 Science Energy Transformations Quiz**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Grade 7 Science Energy Transformations Quiz**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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