

Test:

Thursday Nov 7th



Energy Study Guide

Name: _____

Date: _____

SCORE: _____

- 1.) _____ What is energy?
 - a. The ability to do work or cause change
 - b. Anything that has mass and takes up space
 - c. Substances bonded together
 - d. Both a and b
- 2.) _____ What is potential energy?
 - a. Energy of motion
 - b. energy of change
 - c. Energy of mass
 - d. stored energy
- 3.) _____ What type of potential energy does a stretched rubber band have?
 - a. Mechanical kinetic energy
 - b. Chemical Potential Energy
 - c. Elastic Potential Energy
 - d. Electromagnetic Energy
- 4.) _____ Which of the following is a type of potential energy that a marshmallow has if the marshmallow is sitting in the bag on the shelf and not moving, and not cooking?
 - a. Chemical Potential Energy
 - b. Electromagnetic Energy
 - c. shape
 - d. size
- 5.) _____ What type of potential energy does a person standing on a chair have?
 - a. Mechanical
 - b. gravitational
 - c. Chemical
 - d. Nuclear
- 6.) _____ What is kinetic energy?
 - a. The energy of position, shape, or chemical make up
 - b. The energy of motion
 - c. The energy of distance
 - d. The energy of mass
- 7.) _____ What is the law of conservation of energy?
 - a. Energy is created and destroyed.
 - b. Energy is created but not destroyed.
 - c. energy is not created but is destroyed
 - d. energy is neither created nor destroyed
- 8.) _____ As the sky divers fall the _____ energy is converted into _____.
 - a. Kinetic energy, potential energy
 - b. Sound energy, mechanical energy
 - c. potential energy, kinetic energy
 - d. heat energy, sound energy
- 9.) _____ Which best describes the transformation of energy after a person eats the hot dog?
 - a. The chemical energy from the hot dog is converted into mechanical and heat
 - b. The kinetic energy of the hot dog is converted into potential energy
 - c. The sound energy of the hotdog is converted into mechanical energy
 - d. The mechanical energy of the hot dog is converted into sound energy
- 10.) _____ A cowboy and his horse are standing on a cliff watching the sun set. What type of kinetic energy does the sun represent?
 - a. GPE
 - b. CPE
 - c. KE
 - d. EPE

Answer Energy Study Guide

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