

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

**Arshad Iqbal**

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