Pre-Test

Name _____

Circle the best answer for each of the following questions.

1. Energy is the ability to do:

a. kinetic ***b. conversion*** ***c. work*** ***d. thermal***

2. Work is done when an object has changed or:

a. moved ***b. burned*** ***c. evaporated*** ***d. synthesized***

3. Energy of motion refers to:

a. kinetic energy ***b. nuclear energy*** ***c. thermal energy*** ***d. potential energy***

4. This is an example of potential energy:

a. unlit match ***b. moving ball*** ***c. speeding car*** ***d. swinging bat***

5. This type of energy is created when the nuclei of atoms are fused together or broken apart:

a. nuclear energy ***b. thermal energy*** ***c. mechanical energy*** ***d. heat energy***

6. Ice cream melts when its thermal energy:

a. decreases ***b. stays constant*** ***c. decelerates*** ***d. increases***

7. The energy we obtain from eating food is an example of:

a. chemical energy ***b. nuclear energy*** ***c. mechanical energy*** ***d. kinetic energy***

8. When you talk to someone or listen to music, you are using this type of energy:

a. light energy ***b. sound energy*** ***c. heat energy*** ***d. electromagnetic energy***

9. Plants using the sun's light energy to make food is an example of:

a. thermal energy ***b. light energy*** ***c. sound energy*** ***d. energy conversion***

10. A generator converts mechanical energy into:

a. light energy ***b. electrical energy*** ***c. thermal energy*** ***d. sound energy***

Pre-Test

Name _____

Write true or false next to each statement.

11. _____ Objects with kinetic energy can do work.

12. _____ A stretched rubber band does not have potential energy.

13. _____ Thermal energy increases when particles move faster.

14. _____ When an engine burns gasoline, it is using chemical energy.

15. _____ Energy conversion does not occur when you cook food.

Write a short answer for each of the following.

16. Provide an example of how energy is used to do work.

_____

_____

17. Cite an example of kinetic energy related to a sport.

_____

_____

18. Does a rock resting on the edge of a cliff have potential or kinetic energy?

_____

_____

19. What is energy conversion?

_____

_____

20. Describe the type of energy conversion involved in toasting bread.

_____

_____