Item #: \_\_\_\_\_\_\_ ENERGY REVIEW Name: \_\_\_\_\_\_\_\_\_\_\_\_

**READ- Forms of Energy**

1. The major source of energy for Earth is the \_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Oil and coal are forms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
3. The result of atoms splitting apart is \_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
4. Energy from inside of Earth is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
5. The vibration of matter is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
6. The movement of air molecules causes \_\_\_\_\_\_\_\_\_\_\_ energy.
7. The Sun gives off heat, light, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ radiation.
8. An infrared lamp gives off \_\_\_\_\_\_\_\_\_\_\_\_\_ energy.

**READ- Energy Transformations**

1. Most activities involve one form of energy being \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. When energy transformations occur \_\_\_\_\_\_\_\_\_\_\_ energy is always produced.
3. The Law of Conservation of Energy states that energy cannot be created or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Complete:
   1. Battery –starts as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes to Electrical energy
   2. Clothes dryer- starts as electrical energy changes to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   3. Car engine starts as chemical changes to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   4. Fireplace starts as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes to heat energy.
   5. Fan starts as electrical energy changes to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   6. Drum starts as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes to sound energy.

**READ- Kinetic and Potential Energy**

1. The wind has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mechanical energy.
2. A battery has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chemical energy.
3. At the top of a roller coaster, the has the most \_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
4. As a skier goes down a hill, potential energy will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

**READ- HEAT ENERGY**

26. Heat is a form of electromagnetic energy know as \_\_\_\_\_\_\_\_\_\_\_\_\_ radiation.

27. Most substances will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when heated.

28. When a materal is cooled, the substance will usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

29. When heat is removed, the temperature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

30. For each statement write either Reflection or Absorption.

a. A shiny, smooth surface \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. We see the Moon at night \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. A dark shirt becomes very warm \_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. We see out face in a mirror \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**READ— “Methods of Energy Transfer”**

37. Energy is transferred by direct contact during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

38. Hot air is \_\_\_\_\_\_\_\_\_\_ dense than cold air.

39. Heat circulates through the air in a classroom by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

40. Name the type of heat transfer for each description= conduction, convection, radiation

a. Radio waves travel through space \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. Heat travels through a metal spoon \_\_\_\_\_\_\_\_\_\_\_\_\_

c. Electricity travels through an electric cord \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. Food warmed in a microwave \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. Ocean water circulates by currents \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f. Sunlight passes through a window \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the rest of the review. (Use the number)

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| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
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