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**Energy Transformation Quiz - 2016**

\_\_\_\_\_\_\_1. Energy Stored in Chemical Bonds is \_\_\_\_\_\_\_\_\_\_ Energy.

a. Chemical Kinetic b. Thermal Potential c. Chemical Potential d. Energy of Activation

\_\_\_\_\_\_\_\_2. Which of the following is NOT a form of energy?

a. Friction b. Thermal c. Electrical d. Chemical

\_\_\_\_\_\_\_\_3. As energy transformations occur within a system, the total energy of the system \_\_\_\_\_\_\_\_.

1. Remains the same b. decreases c. Increases

\_\_\_\_\_\_\_\_4. Which situation has the greatest potential energy?

1. Spring at rest b. Spring fully stretched out c. Spring in motion

\_\_\_\_\_\_\_\_5. Where does a rock have the greatest gravitational potential energy?

1. At rest, bottom of cliff b. At rest, on a shelf in middle of cliff c. At rest, top of the cliff

\_\_\_\_\_\_\_\_6. What kind of energy transformation occurs using a toaster?

1. K-electrical into K-thermal c. K-electrical into K-Radiant
2. K-electrical into K-sound d. All of the above

\_\_\_\_\_\_\_\_7. When a balloon pops, what is the correct energy transformation path?

1. Thermal into sound and electric c. motion into sound and thermal
2. Stored mechanical into sound and motion d. gravitational into sound and thermal

\_\_\_\_\_\_\_\_8. Which of these has POTENTIAL energy?

1. Moving car b. Electricity c. Water behind a dam d. Wind

\_\_\_\_\_\_\_\_9. What type of energy transfer is not happening in the use of a television?

1. Electrical to Thermal c. Electrical to Motion
2. Electrical to Radiant d. Electrical to Sound

\_\_\_\_\_\_\_\_10. According to the Law of Conservation of Energy, energy is never…

1. Released as heat
2. Used to increase Potential or Kinetic energy
3. Created or Destroyed.