

STEMscopes Lesson 10: Forms of Energy Study Guide

For each of the questions, think about and talk the answer out with your parent or a friend. The key point of this study guide is to familiarize yourself with the vocabulary and how the science concepts interact with one another. Completing this study guide does NOT guarantee an A on the test! You must still take your time and use great test-taking strategies to answer to your best ability. I will NOT be going over this study guide in class and it is NOT required to complete it in writing. Good luck!

1. How is sound produced? _____

2. How can water be used as a form of energy? _____

3. Explain these terms (what it is and an example where we see it in the real world):

Electrical energy: _____

Mechanical energy: _____

Radiant energy: _____

Thermal energy: _____

4. How would you change the sound from low to high in a sound wave? _____

5. How would you know an object has energy? _____

6. What are some examples of wind energy in the real world? _____

7. What are some examples of thermal energy in the real world? _____

8. How can you tell an object has or is showing it is using energy? _____

9. What form of energy happens when you use wires with a battery? _____

10. How can we tell something is using:

Solar energy? _____

Wind energy? _____

Electrical energy? _____

Hydroelectricity? _____

Nuclear energy? _____

Mechanical energy? _____

Thermal energy? _____