Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Coach Book Guided Reading Chapter 2 Lesson 7 Page 42**

**Forms and Transformation of Energy**

1. What is energy?
2. What is the definition of thermal energy?

**Give 2 examples that are not in the book**:

1. What is mechanical energy?

**Give 2 examples that are not in the book**:

1. What is electrical energy?

**Give 2 examples that are not in the book**:

1. What is Chemical energy?

**Give 2 examples that are not in the book**:

1. What is electromagnetic energy?

**Give 2 examples that are not in the book**:

1. What is electromagnetic energy?

**Give 2 examples that are not in the book**:

1. What is nuclear energy?

**Give 2 examples that are not in the book**::

9. Explain energy transfer then give an example.

10. What is energy transformation?

11. Describe two energy transformation (do not use an example out of the book)?

11. Why is energy transformation important?

12. When comparing the amount of energy before a transformation to the amount of energy after a transformation, these amounts should be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

13. If energy is not destroyed, what happens to some of the energy described as “lost” after an energy transformation or transfer?

14. What are some of the forms of energy that you used today? Describe at least 5 different way you used different types of energy.