

Changing Matter Study Guide

(Chapter 2, section 3 and 4)

Name _____

Period _____

1. What is a physical change? List several examples of physical changes.

2. Complete this sentence:

A _____ that undergoes a _____ is still the _____ after the change.

3. What is a chemical change?

4. Describe the four types of chemical changes listed below and give an example of each:

a) Combustion

.....
b) Electrolysis

.....
c) Oxidation

.....
d) Tarnishing

5. What is the law of conservation of mass?

6. What is energy?

7. Complete this sentence:

_____ chemical or physical _____ in _____
_____ a _____ in _____.

8. What is temperature?

9. What is thermal energy?

10. What is an endothermic change?

11. What is an exothermic change?

12. What is kinetic energy? What is an example of kinetic energy?

13. What is potential energy? What is an example of potential energy?

14. What is chemical energy?

15. What is electromagnetic energy? What are examples of electromagnetic energy?

16. What is a electrical energy?

17. Complete this sentence:

During a chemical change, _____
_____ to _____ of energy.
_____ of energy _____ also _____
_____ to _____.