

Name _____

Hour _____

Chemistry Unit (Part 3) - Study Guide

Goal 1

Fill in the missing definitions:

1. Physical property –
2. Mass – *the amount of matter in an object*
3. Solubility –
4. Conductivity – *the ability to pass electricity or heat through it easily. Ex: metals, including copper*
5. Elasticity - *the ability to be stretched and return to original position. Ex: rubber band*
6. Luster - – *ability to shine or reflect light. Ex: water or glass*
7. Magnetism -
8. Malleability – *the ability to compress, smash, or dent, without breaking or cracking. Ex: a penny*
9. List 4 physical properties of a paperclip.
10. What is the boiling/condensation point of water in degrees Celsius & Fahrenheit?
11. What is the melting/freezing point of water in degrees Celsius & Fahrenheit?
12. Chemical property -
13. Flammability – *the ability of something to catch on fire*
14. Oxidation - *when a substance changes to another substance when exposed to oxygen*
15. Reactivity - *The ability of a substance to react with water, air or another substance*

22. Define the Law of Conservation of Mass – both parts.

23. Why is it necessary to have a closed system during a physical and chemical change?

Goal 5

Define each term. Give an example of each and explain why it is an example.

24. **Exothermic process** -

Example:

Why:

25. **Endothermic process** -

Example:

Why:

26. **Exothermic reaction** -

Example:

Why:

27. **Endothermic reaction** –

Example:

Why: