

Name: _____ Date: _____ Pd: _____

Chapter 2.3 Study Guide

Properties of Matter

1. What are Chemical Properties of a substance?
2. What is reactivity? How does this apply to our everyday life? Give three examples.
3. Please explain the difference between physical and chemical properties. Give three examples.
4. Is dissolving salt in water a chemical or physical change?
5. Is freezing water into ice chemical or physical change?
6. Is sublimation a chemical or physical change?
7. What is density? How can the density of an object be calculated?
8. If I have an object with a mass of 10 grams and a volume of 20 cm³, what is the object's density?

9. If I have an object with a density of 3 g/cm^3 and a volume of 10 cm^3 , what is the mass of the object?
10. What is buoyancy?
11. Why does ice float on water?
12. What is the difference between a heterogeneous and a homogenous mixture? Please give two examples.
13. What is the difference between a miscible and an immiscible mixture? How do they differ from the above mixtures? Please give two examples.
14. What is needed to change the state of matter?
15. What is the ability to change or move matter referred to as?