**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Chapter 13 Lesson 1 pages 490 – 492 Study Guide**

1. When a substance undergoes a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change, one or more of its physical properties change, but it does not become a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ substance.

2. When matter goes through a physical change, its \_\_\_\_\_\_\_\_\_\_\_\_\_ doesn’t change. No matter appears, no matter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. Does the art of Origami involve physical change? Yes or No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. The ability of a substance to dissolve is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change.

5. The ability of a substance to melt is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change.

6. The ability of a substance to boil is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ change.

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the measure of how much of a substance will dissolve in a liquid.

8. Describe what happens to the **molecules or atoms** of a substance like the glass in the picture on page 492 when it undergoes a physical change. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A board has a mass of 900g. If you ground the whole board down to sawdust, what would be the mass of the pile of sawdust?

A. more than 900g B. less than 900g C. exactly 900g D. 9000g

**Chapter REVIEW ?’s**

9. Which of the following is not a physical property?

A. height B. melting point C. usefulness D. volume

10. Pumice is a rock that floats on water. What does that tell you about one of the physical properties of pumice?

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11. Suppose you play checkers with Tristian. He has brown hair, blue eyes, he is tall and he is funny. Are these all physical properties? Explain. (RSTQ)

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