Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast: \_\_\_\_\_

**MEASURING MATTER NOTES**

1. **MASS**
   1. Define MASS –
   2. What metric units do we usually use for measuring mass?
   3. Why is it inaccurate to use “weight” as a synonym for mass?
   4. Why would your mass stay the same if you went to the Moon?
   5. Why would your weight decrease if you went to the Moon?
2. **VOLUME**
3. Define VOLUME –
4. What metric units do we usually use for measuring volume?
5. List three ways to measure volume.
6. What part of the meniscus do we measure in a graduated cylinder?
7. **DENSITY**
8. Define DENSITY –
9. What does it mean if a substance has a “high density”?
10. What does it mean if a substance has a “low density”?
11. What can change the density of a substance?
12. How do we calculate density?
13. 53 mL of water has a mass of 53 g. What is the density of the water?
14. A 21 g metal block has a volume of 3 cm3. What is its density?
15. Why would an object sink in water?
16. Why would an object float in water?
17. How can density help you identify an unknown substance?