Name Period Date

***Density or Will it Float?***

**Guided Notes**

1. What are physical properties?
2. List some examples of physical properties.
3. Is density a physical property?
4. What is the definition of density?
5. Some definitions-
   1. Mass

* 1. Weight
  2. volume

1. How do we measure density?
2. What is the equation for density?
3. What are the units for density?
4. Demonstration: What objects sink or float in water? Complete the table below.

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| **Object** | **Prediction-**  **Sink or Float?** | **Observation-**  **Sink or Float?** | **Explanation-**  **Why did it sink or float?** |
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1. What is the density of water?
2. Do objects that are more dense than water float or sink in water?
3. Do objects that are less dense than water float or sink in water?