

Guided Reading Chapter 10 Section 1

1. Describe density of matter. Does the density of a piece of wood change if I chop the wood in half?
2. Name a few units that represent the density.
3. Label each object with an "H" for high density, and an "L" for low density.

| Object | Density |
|---------------|---------|
| Aluminum bike | |
| Wood | |
| Steel | |
| Foam | |

4. Why is a ring made of platinum denser than the same size ring made of silver?
5. Why is liquid silver less dense than solid silver?
6. _____ is an exception to the rule that liquids are less dense than their solid equivalent.
7. Average density is the _____ divided by the _____.
a) volume, mass b) buoyancy, volume c) mass, volume
8. If you compare an aluminum can to a block of aluminum, the density of the can is _____ because the hollow can has a much larger volume that includes air.
9. Write the three equations you use to find density, mass, or volume.
10. Work the "Solve it" problem on page 211.