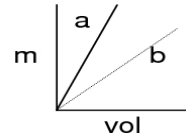


# DENSITY Worksheet

Name \_\_\_\_\_

Directions: Answer The following questions.

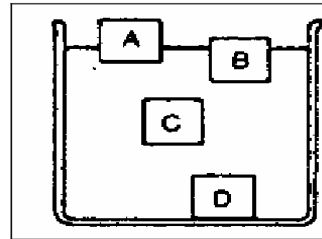
1. In the diagram at right, which line, a or b, has a steeper slope? \_\_\_\_\_



2. Which substance, a or b, is *least* dense? \_\_\_\_\_

3. The density of an aluminum bar is  $2.7\text{g/cm}^3$ . If I cut the bar in half, what is the density of each half? \_\_\_\_\_

4. This diagram shows a container of water with objects A, B, C and D. Which object, A, B, C or D, is most likely ice? \_\_\_\_\_



5. Which object is more dense than water? \_\_\_\_\_ How do you know? \_\_\_\_\_

6. Which is less dense than ice? \_\_\_\_\_

7. Which has about the same density as water? \_\_\_\_\_

8. Answer the question below in this space \_\_\_\_\_

The diagram below represents two beakers, each containing an ice cube and a clear liquid. In beaker A the ice cube floats, and in beaker B the ice cube rests on the bottom. What is the most probable cause for the difference in behavior of the ice cubes in the two beakers?

