

Density Notes Continued

9. Circle each of the following materials that will float on water (density 1 g/mL).

air = $.001 \text{ g/cm}^3$

corn oil = $.93 \text{ g/cm}^3$

glycerine = 1.26 g/cm^3

corn syrup = 1.38 g/cm^3

wood = $.85 \text{ g/cm}^3$

steel = 7.81 g/cm^3

rubber = 1.34 g/cm^3

ice = $.92 \text{ g/cm}^3$

water = 1.00 g/cm^3

10. Assuming the materials don't mix together, show how the materials would "stack up" in a graduated cylinder. Write the name of the material next to the graduated cylinder in order from the most mass to the least. Would the greatest density materials be at the top or the bottom? Use all 9 materials.

