1. A piece of tin has a mass of 16.52 g and a volume of 2.26 cm$^3$. What is the density of tin?

2. A man has a 50 mL bottle completely filled with 163 g of a slimy green liquid. What is the density of the liquid?

3. A scaled 2500 mL flask is full to capacity with 0.36 g of a substance. Determine the density of the substance. Guess if the substance is a gas, liquid, or solid.

4. A piece of metal has volume of 6.7 cm$^3$ and a mass of 95.0 g. Calculate the density. Lead has a density of 11.3 g/cm$^3$. Could this metal be lead?

5. The mass of a 125 cm$^3$ piece of material is 83.75 g. Determine the density of the material.

6. What is the mass of an object that has a density of 8 g/cm$^3$ and a volume of 64 cm$^3$?

7. Different kinds of wood have different densities. The density of pine is generally about 0.5 g/cm$^3$. What is the mass of a 800 cm$^3$ piece of pine?

8. What is the volume of 325 g of metal with a density of 9.0 g/cm$^3$?

9. Diamonds have a density of 3.5 g/cm$^3$. What is the volume of a diamond that has a mass of 0.10 g?