CONCEPT: DENSITY

● **Density** represents the amount of _____ per unit of _____.

Density Formula
Density = ————

  □ For solids and liquids, the units are in _____ or _____.

  □ Since gases are less dense, the units are in _____ or _____.

EXAMPLE: If the density of an unknown metal is 21.4 g/cm^3, express its density in lb/ft^3.

PRACTICE: When lead levels in blood exceed 0.80 ppm (parts per million) the level is considered dangerous. 0.80 ppm means that 1 million g of blood would contain 0.80 g of Pb. Given that the density of blood is 1.060 kg/cm^3, how many grams of Pb would be found in 400.00 mL of blood at 0.620 ppm?