

UNIT CONVERSIONS
Practice Worksheet

1. What volume in liters will 300.0 g of mercury occupy? Density of mercury is 13.6 g/cm^3 .
2. The density of zinc is 455 lb/ft^3 . Find the mass (in g) of 9.00 cm^3 of zinc.
(1 in = 2.54 cm and 1 lb = 453.6 g)
3. An object weighing 1.840 kg has a volume of 0.0015 m^3 . What is the density of the object in g/cm^3 .
4. What is the density (g/mL) of an object that has a mass of 14.01 grams and, when placed into a graduated cylinder, causes the water level to rise from 25.2 mL to 33.6 mL?

