

DENSITY PRACTICE

For #1-10, identify the following as MASS, VOLUME, or DENSITY.

- 1) 300 g
- 2) 2.70 g/L
- 3) 8.111 cm³
- 4) 1.99 g/mL
- 5) 250 cc
- 6) 62.50 mg
- 7) 0.675 g/cc
- 8) 95 mL
- 9) 4 m³
- 10) 2 kg

For #11-16, show all work and units. Circle all answers. All answers should be in the proper number of sig.figs.

- 11) What is the density of a gas when 14.28 g takes up 30.0 L of space?
- 12) What is the mass of an object taking up 75 cm³ of space and having a density of 2.2 g/cm³?
- 13) Gold has a density of 19.3 g/cc. How much volume would 7.00 g of gold occupy?
- 14) A 44.00 g block has a measured volume of 35 cm³. What is its density?
- 15) 15.95 g of a substance has a density of 7.000 g/m³. How much space does it occupy?
- 16) Oxygen gas has a density of 1.33 g/L under normal conditions. What is the mass of 20.00 L of oxygen gas?