

Matter & Density

Name: _____

Part 1: Find the missing unit for the objects using the following information. Show work, and make sure you have the right units:

1) density = 0.75 g/mL, volume = 3000 mL, mass = _____

2) mass = 896 g, density = 1.21 g/mL, volume = _____

3) 205 mL, 2.1 g _____

4) 63 g, 7.2 g/mL _____

5) 6.9 g/mL, 13 mL _____

6) 2000 L, 560 g _____

7) 7.86 g/mL, 0.0459 L _____

Part 2: List the state of matter (solid, liquid, gas) and the type of matter [element, compound, solution (homogeneous) colloid or suspension (both heterogeneous)] for each material. Explain why you chose the type of matter you did.

Aluminum Foil			
Soap			
Milk			
Glass			
Parfait			
Sand			
Diamond			

Matter & Density

Name: _____

Part 1: Find the missing unit for the objects using the following information. Show work, and make sure you have the right units:

1) density = 0.20 g/mL, volume = 3.0 L, mass = _____

2) mass = 9860 mg, density = 2.12 g/mL, volume = _____

3) 2.0 mL, 1.2 g _____

4) 0.30 g, 2.1 g/mL _____

5) 6.9 g/mL, 13 mL _____

6) 2.0 L, 34 mg _____

7) 2.53 g/mL, 0.223 kg _____

List the state of matter (solid, liquid, gas) and the type of matter [element, compound, solution (homogeneous) colloid or suspension (both heterogeneous)] for each material. Explain why you chose the type of matter you did.

Italian Dressing			
Gasoline			
Concrete			
Yogurt			
Blood			
Air			
Brass			