

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) mass = 68 g, volume = 29 ml density = _____

2) m = 98.354 g, volume = 890.12 ml d = _____

3) 454 g, 34 g/cm³ _____

4) density = 91 g/cm³, mass = 91 cg _____

5) 1098 milliliters, 568 grams _____

6) 9140 ml, 78 g/ml _____

7) mass = 3.46 g, volume = 12.2 mL, density = _____

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.

Material	State of Matter	Type of Matter	Reason
Salt Water			
Pure Water			
Jell-O			
Copper Wire			
Salt			
Orange Juice			
Helium			