

Name: \_\_\_\_\_

Period: \_\_\_\_\_ Subject: \_\_\_\_\_

Date: \_\_\_\_\_

# Mass, Volume and Density

## Find the density of ...

1. \_\_\_\_\_ evaporated milk if 400. grams occupy 320. cm<sup>3</sup>.
2. \_\_\_\_\_ asbestos if 200. grams occupy 80. cm<sup>3</sup>.
3. \_\_\_\_\_ brass if 540. grams occupy 60.0 cm<sup>3</sup>.
4. \_\_\_\_\_ brick if 54.4 grams occupy 27.2 cm<sup>3</sup>.
5. \_\_\_\_\_ olive oil if 170. grams occupy 200. cm<sup>3</sup>.

## Solve the following problems for mass. A sample of ...

6. \_\_\_\_\_ magnesium chromate has a density of 6.2 g/cm<sup>3</sup> and a volume of 2.0 cm<sup>3</sup>.
7. \_\_\_\_\_ barium chlorate has a density of 2.75 g/cm<sup>3</sup> and a volume of 4.0 cm<sup>3</sup>.
8. \_\_\_\_\_ bismuth phosphate has a density of 6.50 g/cm<sup>3</sup> and a volume of 8.0 cm<sup>3</sup>.
9. \_\_\_\_\_ antimony trichloride has a density of 6.00 g/cm<sup>3</sup> and a volume of 3.5 cm<sup>3</sup>.
10. \_\_\_\_\_ gold has a density of 19.32 g/cm<sup>3</sup> and a volume of 5.0 cm<sup>3</sup>.

## Solve the following problems for volume. A sample of ...

11. \_\_\_\_\_ calcium chloride has a density of 2.15 g/cm<sup>3</sup> and a mass of 4.3 grams.
12. \_\_\_\_\_ cerium sulfate has a density of 3.2 g/cm<sup>3</sup> and a mass of 9.6 grams.
13. \_\_\_\_\_ chromium silicide has a density of 5.50 g/cm<sup>3</sup> and a mass of 22.0 grams.
14. \_\_\_\_\_ magnesium oxide has a density of 1.8 g/cm<sup>3</sup> and a mass of 3.60 grams.
15. \_\_\_\_\_ copper has a density of 8.92 g/cm<sup>3</sup> and a mass of 2.23 grams.