Test Review

Draw lines to connect the matches.

a. g/cm^3	1. volume of a liquid
b. mL	2. density of a liquid
c. cm^3	3. density of a solid
d. g/mL	4. volume of a solid

1. What is volume?

2. What is density?

3. What is the volume of a box that is 14 cm long, 10 cm wide, and 3 cm high?

4. How do you find the volume of an irregularly shaped object?

5. Formula for Density:

6. If 96.5 grams of gold has a volume of 5 cubic centimeters, what is the density of gold?

7. If 96.5 grams of aluminum has a volume of 35 cm^3, what is the density of aluminum? How does its density compare with the density of gold?

8. If the density of a diamond is 3.5 g / cm^3, what would be the mass of a diamond whose volume is 0.5 cm^3?