

Name _____ **MASS, VOLUME and Density Quiz**

Concept Matching- Match each term with the best description. Use the letters to indicate your choices next to each number.

- _____ 1. The curved shape at the top of a liquid in a container.
- _____ 2. The process of submerging an object to determine its volume.
- _____ 3. A metric unit of solid volume
- _____ 4. A metric unit of liquid volume
- _____ 5. The amount of matter in an object.
- _____ 6. The number of people per square mile.
- _____ 7. A tool for measuring mass.
- _____ 8. The density of pure water.
- _____ 9. A tool for measuring liquid volume.
- _____ 10. The metric unit for measuring mass.
- _____ 11. The amount of space an object takes up.
- _____ 12. The ratio of an object's mass to volume.
- _____ 13. The formula for finding the volume of a rectangular prism.
- _____ 14. $D = m/v$
- _____ 15. A measure of how tightly packed a person's bones are.

- a. Density
- b. Mass
- c. Volume
- d. Milliliter
- e. $l \times w \times h$
- f. Formula for Density
- g. Population Density
- h. Cubic Centimeter
- i. Displacement
- j. Meniscus
- k. Triple-beam Balance
- l. Bone Density
- m. Graduated Cylinder
- n. Gram
- o. $l/g/mL$

Determine the density for problems 16-20. Circle your answer and remember to include the correct units. Using your knowledge of how density relates to floating and sinking, COLOR each part of the picture to match the correct color for each answer.

- 16. Mass 9 grams, Volume 12 cm^3 ORANGE
- 17. Mass 56 grams, Volume 40 mL YELLOW
- 18. Mass 37.5 grams, Volume 15 cm^3 PURPLE
- 19. Mass 15 grams, Volume 15 mL BLUE
- 20. Mass 19.2 grams, Volume 16 cm^3 PINK

