

Science and Measurement Practice

General Science · Answer Key · 10 Questions

1. What is 750 mL converted to litres?

- A) 0.075 L
- B) 0.75 L**
- C) 7.5 L
- D) 75 L

2. What is the volume of a rectangular container measuring 25 cm by 12 cm by 10 cm?

- A) 300 cm³
- B) 3000 cm³**
- C) 30000 cm³
- D) 47 cm³

3. If a container has a volume of 3000 cm³ and a density of 0.1 g/cm³, what is its mass?

- A) 30 g
- B) 300 g**
- C) 3000 g
- D) 3 g

4. Why might two students get different readings from a measuring jug?

- A) Parallax error**
- B) Gravity
- C) Evaporation
- D) Density

5. What is the relationship between the diameter and radius of a circle?

- A) Diameter is half the radius
- B) Diameter is twice the radius**
- C) Diameter is the same as the radius
- D) Diameter is the square of the radius

6. Which property of water allows a needle to float on its surface?

- A) Density
- B) Surface tension**
- C) Viscosity
- D) Buoyancy

7. Why do mercury droplets form rounded shapes on glass compared to water?

- A) Higher adhesion than cohesion
- B) Higher cohesion than adhesion**
- C) Equal adhesion and cohesion
- D) Lower density

8. Which two factors increase the rate of evaporation for a wet cloth?

- A) Cold and still air
- B) High humidity and cold
- C) Heat and wind**
- D) Darkness and high pressure

9. What process allows perfume particles to spread across a room?

- A) Osmosis
- B) Diffusion**
- C) Evaporation
- D) Condensation

10. What process causes raisins to swell in water?

- A) Diffusion
- B) Osmosis**
- C) Evaporation
- D) Condensation