

ANSWERS

- a) 50 cm³ / 50 mL
- b) Cubic metre (m³)
- c) Measuring cylinder
- d) Read the volume at eye level.
- e) To avoid parallax error.

2.

- a) Dissolving, filtration and evaporation
- b) Add water to dissolve the salt, filter to remove sand, then evaporate the filtrate to obtain salt.
- c) Evaporation / crystallization
- d) Obtaining salt from sea water / water purification.

3.

- a) Blue flame
- b) To distribute heat evenly and prevent the beaker from cracking.
- c) Tie long hair and keep flammable materials away from the flame.
- d) Water changes into steam / water vapour.
- e) Evaporation / boiling.

4.

- a) Sweating / perspiration
- b) To cool the body.
- c) Water / salts / urea
- d) Skin / sweat glands
- e) It helps regulate body temperature.

5.

a) Volume

$$V = l \times w \times h = 10 \times 2 \times 5 = 100 \text{ cm}^3$$

$$\text{Volume} = 100 \text{ cm}^3$$

b) Density

$$\rho = \frac{200}{100} = 2 \text{ g/cm}^3$$

$$\text{Density} = 2 \text{ g/cm}^3$$

c) kg/m^3

6.

- a) Acid
- b) Base / alkali
- c) Neutral substance
- d) Acids turn blue litmus paper red.
- e) Wear gloves when handling chemicals.

