

CHAPTER-6 | Materials Around Us

QUIZ
PART-06

1. Anything that occupies _____ and has _____ is called matter.

- A. Space; weight
- B. Space; mass
- C. Energy; force
- D. Volume; density (B)

Explanation : Matter is defined as anything that has mass and occupies space.

2. Which is the SI unit of mass?

- A. Litre
- B. Kilogram
- C. Metre
- D. Millilitre (B)

Explanation : The SI unit for mass is kilogram, written with the symbol kg.

3. Which is the SI unit of volume?

- A. Litre
- B. Millilitre
- C. Cubic metre
- D. Kilogram (C)

Explanation : The SI unit of volume is the cubic metre, written as m^3 .

4. Which is the correct way to write seven kilograms?

- A. 7 kg
- B. 7kgs
- C. 7Kg
- D. 7kg (A)

Explanation : Use the symbol kg in lowercase with a space between the number and unit; no plural "s".

5. Choose the correct notation for five hundred millilitres.

- A. 500 ml
- B. 500 mL
- C. 500 ML
- D. 500 m L (B)

Explanation : Millilitre is written as mL (lowercase m, uppercase L) with a space after the number.

6. Which conversion is correct?

- A. $1 m^3 = 10 L$
- B. $1 m^3 = 100 L$
- C. $1 m^3 = 1000 L$
- D. $1 m^3 = 10,000 L$ (C)

Explanation : One cubic metre equals one thousand litres.

7. Grouping materials helps with:

- A. Understanding patterns
- B. Simplifying classification
- C. Studying behaviour of materials
- D. All of the above (D)

Explanation : Grouping supports recognizing patterns, organizing categories, and studying how materials behave.

8. What are materials?

- A. Finished objects with shape
- B. Types of matter used to make things
- C. Only metals and plastics
- D. Substances without mass (B)

Explanation : Materials are kinds of matter chosen to create objects.

9. Which set lists things humans classify by their properties?

- A. Plants, animals, rocks
- B. Stars, planets, galaxies
- C. Cars, bikes, buses
- D. Songs, poems, stories (A)

Explanation : Classification extends beyond materials to living and non-living groups like plants, animals, and rocks.

10. Which is the correct way to write two cubic metres?

- A. $2 m^3$
- B. $2m^3$
- C. 2 m3
- D. 2 M3 (A)

Explanation : Write a space between number and unit, and use a superscript 3 for cubic metre (m^3).