

Chapter 7: Forms of Matter: Solids, Liquids and Gases

Worksheet 1

1. Fill in the blanks.

- (i) Everything around us is made up of _____ .
- (ii) _____ have fixed shape and size.
- (iii) Water boils at _____ °C.
- (iv) Air is a mixture of many _____ .

2. Write T for true and F for false statement.

- (i) Molecule is the smallest part of matter.
- (ii) CNG stands for Cooled Natural Gas.
- (iii) Petrol is used as a fuel in vehicles.
- (iv) Iron and steel are used to make buildings.

3. Match the following.

Column A

- (i) LPG
- (ii) Wood
- (iii) CNG
- (iv) Atoms

Column B

- (a) Fuel for vehicles
- (b) Particles
- (c) Cooking gas
- (d) Furniture

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Worksheet 2

1. Name the process which occurs in the following cases.

- (i) When water changes into solid ice.
- (ii) When ice changes into water.
- (iii) When water changes from liquid state to gaseous state.
- (iv) When water vapour cools to become water.

2. Tick (✓) the correct answer.

- (i) The amount of space occupied by an object is called
 - (a) Matter
 - (b) Atoms
 - (c) Weight
 - (d) Volume
- (ii) Solids cannot flow because their molecules are
 - (a) Small
 - (b) Large
 - (c) Tightly packed
 - (d) Heavy
- (iii) Liquids do not have definite
 - (a) Shape
 - (b) Volume
 - (c) Space
 - (d) Shape and size
- (iv) Molecules of gases are
 - (a) Tightly packed
 - (b) Very large
 - (c) Far apart
 - (d) Light

3. Answer these questions.

- (i) What are the three states of matter?
- (ii) At which temperature does water freeze?
- (iii) What is a matter made up of?
- (iv) Which type of matter flows in all directions?