

MATTER IN OUR SURROUNDINGS (MCQ)

Q.1: Liquids have -

- (a) fixed volume and fixed shape
- (b) fixed shape and no fixed volume
- (c) fixed volume and no fixed shape
- (d) neither fixed volume nor fixed shape

Q.2: Materials existing as liquids have -

- (a) boiling point and melting point above room temperature
- (b) boiling point and melting point below room temperature
- (c) boiling point above room temperature and melting point below room temperature
- (d) boiling point and melting point below room temperature

Q.3: Intermolecular force of attraction is maximum in -

- (a) solids
- (b) liquids
- (c) gases
- (d) plasma particles

Q.4: When we add sugar in water, particles of sugar disappear because they -

- (a) are very small
- (b) get into the spaces between water particles
- (c) are moving
- (d) all above

Q.5: One small crystal of potassium permanganate may contain particles -

- (a) more than 10^3
- (b) more than 10^4
- (c) more than 10^5
- (d) more than 10^6

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Q.6: Which of the following pairs will not exhibit diffusion?

- (a) hydrogen, oxygen
- (b) oxygen, water
- (c) salt, sand
- (d) sugar, water

Q.7: Which of the following substances is not a liquid?

- (a) butter
- (b) glass
- (c) sponge
- (d) rubber band

Q.8: Which one of the following properties are not characteristics of liquids?

- (a) fluidity
- (b) definite shape
- (c) definite volume
- (d) compressibility

Q.9: Large volume of compressed natural gas (CNG) is available in small cylinders to us due to its property of -

- (a) high inflammability
- (b) easy availability
- (c) high compressibility
- (d) low density

Q.10: Gases are liquefied under

- (a) high pressure, high temperature
- (b) high pressure, low temperature
- (c) low pressure, high temperature
- (d) low pressure, low temperature

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Q.11: Which of the following changes represent sublimation?

- (a) solid \leftrightarrow liquid
- (b) solid \leftrightarrow gas
- (c) liquid \leftrightarrow gas
- (d) gas \leftrightarrow liquid \leftrightarrow gas

Q.12: Gases do not have -

- (a) high compressibility
- (b) high fluidity
- (c) high density
- (d) large volume

Q.13: Evaporation of a material takes place -

- (a) above its boiling point
- (b) above its melting point
- (c) below its boiling point
- (d) below its melting point

Q.14: Particles of a liquid -

- (a) are most ordered
- (b) move randomly
- (c) have large intermolecular spaces
- (d) can slip and slid over each other

Q.15: The fluorescent tubes and neon sign bulbs glow because of -

- (a) presence of charged particles
- (b) high density of gases
- (c) high temperature
- (d) high applied voltage

Ans: 1 - c. 2 - c. 3 - a. 4 - d. 5 - d. 6 - c. 7 - a. 8 - b. 9 - c. 10 - b.

11 - b. 12 - c. 13 - c. 14 - d. 15 - a.