Matter in Our Surroundings

Multiple Choice Questions

Question 1.

The mass per unit volume of a substance is:

- (a) acceleration
- (b) density
- (c) velocity
- (d) weight

▼ Answer

Answer: (b) density

Question 2.

The melting point of ice is:

- (a) 273.16 K
- (b) 723.16 K
- (c) 263.16 K
- (d) 373 K

▼ Answer

Answer: (a) 273.16 K

Question 3.

What is dry ice?

- (a) Solid carbon dioxide
- (b) Nitrogen oxide
- (c) Carbon mono oxide
- (d) None of them

▼ Answer

Answer: (a) Solid carbon dioxide

Question 4.

Which of the following state is responsible for the glow in the sun and stars?

- (a) Solid
- (b) Liquid
- (c) Plasma
- (d) Gas

▼ Answer

Answer: (c) Plasma









Question 10.
With increase in temperature the kinetic energy of the particles
▼ Answer
Answer: increases
Question 11. The rate of diffusion of liquids is than that of solids.
▼ Answer
Answer: higher
Question 12. To change a temperature on the Kelvin scale to the Celsius scale you have to subtract from the given temperature.
▼ Answer
Answer: 273
Question 13 is the amount of water vapour present in the air.
▼ Answer
Answer: Humidity
True/False.
Question 14. Gases are highly compressible as compared to solids and liquids.
▼ Answer
Answer: True
Question 15. Liquids have fixed volume and shape.
▼ Answer
Answer: False





Question 16.

Compressed natural gas (CNG) is used as fuel these days in vehicles.

▼ Answer

Answer: True

Question 17.

The state of matter cannot be changed by changing temperature or pressure.

▼ Answer

Answer: False

Question 18.

The states of matter are inter-convertible.

▼ Answer

Answer: True

Question 19.

In solids, the space between the particles is maximum.

▼ Answer

Answer: False

Match the Column.

Question 20.

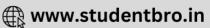
Α	В
1. Unit of temperature	(i) Kilogram (kg)
2. S.I. unit of mass	(ii) Kilogram per cubic metre
3. S.I. unit of pressure	(iii) Newton
4. Unit of weight	(iv) Kelvin
5. Unit of density	(v) Pascal

▼ Answer

Answer:

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1. Unit of temperature	(iv) Kelvin
2. S.I. unit of mass	(i) Kilogram (kg)
3. S.I. unit of pressure	(v) Pascal
4. Unit of weight	(iii) Newton
5. Unit of density	(ii) Kilogram per cubic metre

Answer in one Word/Sentence.

Question 21.

What is that process known as in which a solid is converted directly into the gaseous state without coming to a liquid state?

▼ Answer

Answer: Sublimation

Question 22.

How many states of matter exist normally in nature?

▼ Answer

Answer: Three states

Question 23.

What is that temperature called at which solid melts to become a liquid at the atmospheric pressure?

▼ Answer

Answer: Melting point

Question 24.

What is the state of matter which has maximum compressibility?

▼ Answer

Answer: Gaseous state





