

## MATTER IN OUR SURROUNDINGS

Question 1: *Matter has* \_\_\_\_\_.

1. no mass but occupies space
2. mass but occupies no space
3. mass and occupies space
4. no mass and occupies no space

Answer: 3

Question 2: *The gaseous form of water is called as* \_\_\_\_\_.

1. water gas
2. water vapour
3. fog
4. snow

Answer: 2

Question 3: *The state of matter with only one free surface is* \_\_\_\_\_.

1. liquid
2. gas
3. solid
4. plasma

Answer: 1

Question 4: *In gases, particles vibrate* \_\_\_\_\_.

1. about their mean position
2. about a vertical axis
3. about a horizontal axis
4. in any direction

Answer: 4

Question 5: *Mixing of gases is called* \_\_\_\_\_.

1. diffusion
2. effusion
3. filtration
4. sedimentation

Answer: 1

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Question 6: *A property not possessed by a fluid is \_\_\_\_\_.*

1. it can flow
2. it has mass
3. it has a definite shape
4. can be perceived by our senses

Answer: 3

Question 7: *Which among the following is a solid at room temperature?*

1. Nitrogen
2. Potassium permanganate
3. Bromine
4. Helium

Answer: 2

Question 8: *Which of these is a characteristic property of gases?*

1. Gases are not at all rigid.
2. Gases are not compressible.
3. Gases have particles in fixed positions.
4. Gases have high density.

Answer: 1

Question 9: *A solid has \_\_\_\_\_.*

1. maximum intermolecular space
2. definite mass but no definite volume
3. very high compressibility
4. maximum intermolecular force of attraction

Answer: 4

Question 10: *Conversion of gas to liquid is called \_\_\_\_\_.*

1. condensation
2. sublimation
3. vapourisation
4. solidification

Answer: 1

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Question 11: *The process by which wet clothes dry up is called \_\_\_\_\_.*

1. evaporation
2. boiling
3. condensation
4. solidification

Answer: 1

Question 12: *A solid that sublimes on heating is \_\_\_\_\_.*

1. sodium chloride
2. copper sulphate
3. lead sulphate
4. ammonium chloride

Answer: 4

Question 13: *Matter changes from one state to another with change in \_\_\_\_\_.*

1. density
2. temperature
3. volume
4. height

Answer: 2

Question 14: *The process of a solid changing into liquid is called \_\_\_\_\_.*

1. liquefaction
2. melting
3. freezing
4. solidification

Answer: 2

Question 15: *The freezing point of pure water is \_\_\_\_\_.*

1. 100°C
2. 0°C
3. 5°C
4. 78.3°C

Answer: 2

## MATTER IN OUR SURROUNDINGS

Question 16: *The force between particles of matter is called as \_\_\_\_\_.*

1. cohesive force
2. adhesive force
3. kinetic energy
4. thermal energy

Answer: 1

Question 17: *Particles of matter are \_\_\_\_\_.*

1. stationary
2. vibrating in one position
3. in continuous motion
4. rotating about an axis

Answer: 3

Question 18: *The temperature at which vapour changes into liquid is called \_\_\_\_\_.*

1. freezing point
2. melting point
3. boiling point
4. liquefaction point

Answer: 4

Question 19: *Temperature is a measure of \_\_\_\_\_.*

1. total kinetic energy of molecules
2. total potential energy of molecules
3. average potential energy of molecules
4. average kinetic energy of molecules

Answer: 1

Question 20: *For any substance the temperature remains same during the change of state due to \_\_\_\_\_.*

1. loss of heat
2. latent heat
3. less supply of heat
4. lattice energy

Answer: 2