**Karan Arora** **R.L. Chemistry Classes M: 99968-68554 Max Time : 1 hr** **Class = 9th Science Test Max Marks : 30**

**MATTER IN OUR SURROUNDINGS**

1. Multiple choice questions : [ 1 X 8 = 8 ]
2. Dry ice is stored under :

|  |  |  |  |
| --- | --- | --- | --- |
| a) high pressure | b) low pressure | c) high temperature | d) low temperature |

1. Which of the following does not affect the rate of evaporation?

|  |  |
| --- | --- |
| a) Wind speed | b) Temperature |
| c) Humidity | d) Insoluble impurities |

1. During summer, water kept in an earthen pot becomes cool because of the phenomenon of :

|  |  |
| --- | --- |
| a) Diffusion | b) Transpiration |
| c) Osmosis | d) Evaporation |

1. On Kelvin scale 0 is equal to :

|  |  |  |  |
| --- | --- | --- | --- |
| a) 273 K | b) – 273 K | c) 0 K | d) 100 K |

1. Identify the condition under which air is liquefied ?

|  |  |
| --- | --- |
| a) Low temperature , Low pressure | b) High temperature , Low pressure |
| c) High temperature , High pressure | d) Low temperature , High pressure |

1. Particles of matter are continuously moving as they possess \_\_\_\_\_\_\_\_\_\_\_\_ energy.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Potential | b) Mechanical | c) Chemical | d) Kinetic |

1. Which condition out of the following will increase the evaporation of water?

|  |  |
| --- | --- |
| a) Increase in temperature of water | b) Decrease in temperature of water |
| c) Less exposed surface area of water | d) Adding common salt to water |

1. Which of the following does not undergo sublimation?

|  |  |
| --- | --- |
| a) Ammonium chloride | b) Sodium chloride |
| c) Solid carbon dioxide | d) Iodine |

1. We will be able to cut through the surface of water, kept in a container, with our fingers. Which property of matter does this observation show? [ 1 ]
2. Why do we see water droplets on outer surface of glass containing ice cold water? [ 1 ]
3. Suggest a method to liquefy atmospheric gases. [ 1 ]
4. Give reason : The smell of hot sizzling food reaches you several meters away, but to get the smell from cold food you have to go close. [ 2 ]
5. Why does the temperature of a substance remain constant during its melting point or boiling point? [ 2 ]
6. What do you mean by term ‘Latent heat of Fusion’? [ 2 ]
7. What type of clothes should we wear in summer? [ 2 ]
8. Convert the following temperatures to the Celsius scale: [ 2 ]

(a) 293 K (b) 470 K

1. What are the characteristics of particles of matter? [ 2 ]
2. Draw the ‘states of matter triangle’ to show the interconversion of states of matter [ 2 ]
3. Differentiate between the particles of solid, liquid and gas. [ 5 ]

**Karan Arora**  **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 9th Science Test Max Marks : 20**

**MATTER IN OUR SURROUNDINGS**

1. Multiple choice questions : [ 1 X 4 = 4]
2. Dry ice is stored under :

|  |  |  |  |
| --- | --- | --- | --- |
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1. Which of the following statements is incorrect?

|  |  |
| --- | --- |
| a) Matter I made up of material particles | b) matter is continuous in motion |
| c) Particles of matter are always in motion | d) Particles of matter attract each other |

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1. We will be able to cut through the surface of water, kept in a container, with our fingers. Which property of matter does this observation show? [ 1 ]
2. Why do we see water droplets on outer surface of glass containing ice cold water? [ 1 ]
3. Name the gases which are used in compressed form in our home, hospital and in vehicles. [ 1 ]
4. Why does the temperature of a substance remain constant during its melting point or boiling point? [ 2 ]
5. What do you mean by term ‘Latent heat of Fusion’? [ 2 ]
6. What type of clothes should we wear in summer? [ 2 ]
7. Convert the following temperatures to the Celsius scale: [ 2 ]

(a) 293 K (b) 470 K

1. What are the characteristics of particles of matter? [ 2 ]
2. Give reason for the following : [ 3 ]

(a) Naphthalene balls disappear with time without leaving any solid.

(b) We can get the smell of perfume sitting several meters away.

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