

Question 41. S. I. unit of temperature is:

- (a)Celsius
- (b)Fahrenheit
- (c)Kelvin
- (d)None of these

Question 42.100 K is equal to:

- (a)183°C
- (b)-173°C
- (c)173°C
- (d)-273°C

Question 43.The process of change of liquid state into gaseous state at constant temperature is known as:

- (a)Boiling
- (b)Melting
- (c)Fusion
- (d)Evaporation

Question 44.What is Dry Ice?

- (a)Ice having no water of crystallisation
- (b)Ice that has been dried
- (c)Solid carbon dioxide
- (d)None of these

Question 45.Which one is a surface phenomenon?

- (a)Evaporation
- (b)Boiling
- (c)Both (a) and (b)
- (d)None of these

Question 46. Rate of diffusion depends upon:

- (a)Temperature
- (b)Surface area
- (c)Both temperature and surface area
- (d)None of these

Question 47. Which of the following processes is known as fusion?

- (a)Change of liquid to solid
- (b)Change of solid to liquid
- (c)Change of liquid to vapour
- (d)Change of gaseous state to solid state

Question 48. The evaporation of a liquid can best be carried out in a:

- (a)Flask
- (b)China dish
- (c)Test tube
- (d)Beaker

Question 49. The one, in which inter-particle forces are strongest, is:

- (a)Sodium chloride

- (b)Hydrogen
- (c)Ether
- (d)Carbon dioxide

Question 50. The melting point temperature of the solid state of a substance is 40°C . The freezing point temperature of the liquid state of the same substance will be:

- (a) 35°C
- (b) 40°C
- (c) 45°C
- (d)Can't predict

Question 51. Which one will help to accelerate the process of evaporation of a liquid kept in an open china dish?

- (a)Keeping dish in open
- (b)Blowing air into the liquid
- (c)Keeping the dish under a running fan
- (d)All the above

Question 52. When a gas is compressed keeping temperature constant. It results in:

- (b)Increase in collision among gaseous molecules
- (c)Decrease in speed of gaseous molecules
- (d)Decrease in collision among gaseous molecules

Question 53. Pressure of air at sea level is:

- (a)One atmosphere
- (b)760 cm of Hg

- (c) 76 mm of Hg
- (d) All are correct

Question 54. Zig-zag movement of the solute particle in a solution is known as

- (a) Linear motion
- (b) Circular motion
- (c) Brownian motion
- (d) Curved motion.

Question 55. Gases can be liquefied by

- (a) increasing pressure
- (b) decreasing temperature
- (c) both (a) and (b)
- (d) decreasing pressure

Question 56. Density of a substance is defined as

- (a) ratio of mass and volume
- (b) product of mass and volume
- (c) ratio of mass and temperature
- (d) product of mass and temperature

Question 57. Which of the following is not matter

- (a) Blood
- (b) Moon rock
- (c) Electron

(d) Humidity

Question 58. Which is more effective in cooling?

- (a) Ice at 273K
- (b) Water at 273 K
- (c) Water at 373K
- (d) Ice at 373K

Question 59. 0°C temperature is equal to

- (a) 0 K
- (b) 273 K
- (c) -273 K
- (d) 300 K

Question 60. The process involving the change of state from solid to gas is called

- (a) melting
- (b) boiling
- (c) fusion
- (d) sublimation

Answer

- 41.(c)
- 42.(b)
- 43.(a)
- 44.(c)
- 45.(a)
- 46.(c)
- 47.(b)
- 48.(b)
- 49.(a)
- 50.(b)
- 51.(d)
- 52.(d)
- 53.(c)
- 54.(c)
- 55.(c)
- 56.(a)
- 57.(d)
- 58.(a)
- 59.(b)
- 60.(d)

Techofworld.In