

# Chemistry Assignment- 01

## Questions :

**Q1.**

Which of the given properties is not associated with the particles of matter?

- (1) They move continuously
- (2) They attract each other
- (3) They have spaces between them
- (4) They can easily be seen by naked eyes

**Q2.**

The physical state of matter depends upon the net effect of two factors A and B. Factors A and B are

- (1) Kinetic energy and volume
- (2) Interparticle forces of attraction and volume
- (3) Kinetic energy and interparticle forces of attraction
- (4) Density and kinetic energy

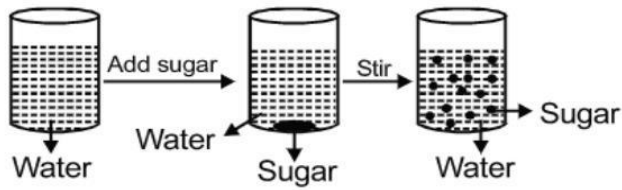
**Q3.**

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 the water

**Q4.**



The conclusion drawn is that

- (1) Matter is made up of particles
- (2) Particles of matter get into the spaces between the particles of water
- (3) Nature of matter is continuous
- (4) Both (1) & (2)

**Q5.**

Choose the correct arrangement of increasing diffusion in different states.

Here,

$D_S$  = Diffusion of solid states

$D_L$  = Diffusion of liquid states

$D_G$  = Diffusion of gaseous states

(1)  $D_L < D_G < D_S$

(2)  $D_S < D_L < D_G$

(3)  $D_G < D_L < D_S$

(4)  $D_S < D_G < D_L$

**Q6.** Types of interparticle forces of attraction are :

(a) Interatomic

- (b) Intermolecular
- (c) Interionic
- (d) All of the above

**Q7.** Which of the following statements is/are correct regarding gaseous state ?

- (a) Minimum inter particle forces of attraction
- (b) Maximum inter particle space
- (c) Fixed shape and fixed volume
- (d) Both (1) and (2)

**Q8.** Increase in temperature leads to :

- (a) Decrease in kinetic energy
- (b) Increase in kinetic energy
- (c) Condensation
- (d) Freezing

**Q9.** The correct relation of the K.E (Kinetic Energy) of the particles of solid, liquid and gaseous state is :

- (a) Kinetic energy of gas particles = Kinetic energy of liquid particles
- (b) Kinetic energy of gas particles > Kinetic energy of liquid particles
- (c) Kinetic energy of solid particles > Kinetic energy of liquid particles
- (d) Kinetic energy of liquid particles > Kinetic energy of gas particles

**Q10.** Assertion : When we light an incense stick in one corner of our room, its fragrance spreads in the whole room very quickly.

Reason : The fragrance of burning stick spreads all around due to the diffusion of its smoke in the air.

Choose the correct option :

- (a) Both assertion and reason are correct and reason is the correct explanation of the assertion.
- (b) Both assertion and reason are correct but reason is not the correct explanation of the assertion.
- (c) Assertion is correct but reason is incorrect.
- (d) Both assertion and reason is incorrect.