

Q.5 Explain the arrangement of molecules in (6)

(a) solid

(b) liquid

(c) gas

Q.6 Explain the following: (4)

(a) A very small amount of mercury on placing over a clean glass plate forms a tiny sphere spherical ball.

(b) A very small amount of water on placing over a clean glass plate forms an oval shaped drop.

Q.7 Liquids and gases get heated by convection. Explain the convection on the basis of kinetic model. (3)

Ch.1 Matter                      Std. 8<sup>th</sup> ICSE                      Subject -  
Physics  
Marks - 30                      &                      Date - 23-04-17

Q.1 Define the terms (10)

- |                |                                |
|----------------|--------------------------------|
| (a) Elements   | (b) Atom                       |
| (c) Molecule   | (d) Intermolecular Space       |
| (e) Meniscus   | (f) Intermolecular Force Force |
| (g) Conduction | (h) Convection                 |

(i) Surface tension

Q.2 Explain why a meniscus is formed always when we place mercury and water in a capillary tube. Also explain which type of meniscus is formed in both. (3)

Q.3 What is the change in pressure of a liquid when the volume of the liquid is decreased to half the initial volume? (2)

Q.4 When a drop of perfume is placed in one corner of a closed room why the fragrance of perfume spreads all over? (2)

**\*Best of Luck\***