18/05/2020 **JESUS AND MARY SCHOOL AND COLLEGE** MODULE-2

**CLASS-8 ( PHYSICS )**

**CHAPTER NAME – MATTER**

**WORKSHEET-2**

**Please refer to the video prepared for this chapter.**

**Q.1.** What is heat? Explain it with its unit.

**Q.2.** What is evaporation?

**Q.3.** On what factors rate of evaporation depends?

**Q.4.** What is latent heat? Explain it with its unit.

**Q.5.** Explain water cycle in brief.

**Q.6.** Why do we use ice cubes for cooling soft drinks instead of putting it into the refrigerator?

**Note**- **Please do this assignment in your copies. It will be checked when the school re-opens.**

**SOLUTION TO WORKSHEET-1**

**( uploaded on 04/05/2020 )**

**Ans.1.** Matter is something that has mass and occupies space.

**Ans.2.** There are three states of matter-

 i) Solid

 ii) Liquid

 iii) Gas

**Ans.3.** Kinetic theory of matter states the following points-

 i) Matter is made up of tiny particles called as atoms and molecules.

 ii) There is a space between them known as inter particle space or inter molecular space.

 iii) The particles are in the state of random motion because they possess kinetic energy.

 iv) With the increase in temperature kinetic energy of the particles gets increased.

**Ans.4.** Atom is the smallest unit of matter.

**Ans.5.** In the solids, the molecules are tightly packed. The velocity of the particles in solids is

 minimum.

**Ans.6.** Increasing the temperature kinetic energy of the molecule gets increased and that is why solid

 changes to liquid.

**Ans.7.** Solid –i) Ice cubes

 ii) Metals like iron, copper, zinc etc.

 iii) Chalk

 iv) Wood

 Liquid –i) Water

 ii) Oil

 iii) Chemicals like glycerol, alcohol etc.

 iv) Soft drinks

 Gas–i) Cooking gas ( LPG )

 ii) Oxygen

 iii) Noble gases like Helium, Neon etc.

 iv) Carbon dioxide

**Ans.8.** When the temperature rises kinetic energy get increased.

**Ans.9.** J.J. Thomson discovered electron.

**Ans.10.** Nucleus is the spherical structure inside the atom. It contains neutrons and protons.

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