Cosmo School

G. Science | **Worksheet 2 : 03/10/2020** | **Class - VII**

CHAPTER 11 : CHANGE IN SURROUNDING AND VARIOUS INCIDENTS

Instructions:

- ✓ Read the chapter in your book - quickly and thoroughly, preferably more than once.
- ✓ Watch the uploaded video class from school's website/YouTube channel. For becoming more clear about the basics, watch more than once, if needed.
- ✓ Contact me in case of any difficulty in understanding.

Cognitive Questions (Mark 1)

1. What is vaporization?

Ans.: The process of converting liquid from its liquid state to gaseous state is called vaporization.

2. What is condensation?

Ans.: The process of converting a gaseous substance from its gaseous state to liquid state by lowering the temperature is called condensation.

3. What is solidification?

Ans.: The process of converting a liquid substance from its liquid state to solid state is called solidification.

Analytical Question (Mark-2)

1. Discuss the importance of water cycle.

Ans.: Water is an important component of our environment. The existence of life of living beings completely depends on water. But we cannot prepare water for our use. We always require safe and pure water. The process by means of which we obtain pure and safe water is water cycle. A flow chart of important changes related to water cycle is shown below:

Water (sea, river, pond, etc) → vaporization → condensation → rain → infiltration

It is evident from the above flow chart that availability of water of pure and safe water depends on water cycle.

So it can be said that water cycle play most important and vital role in our life as well as in the life of all living beings.

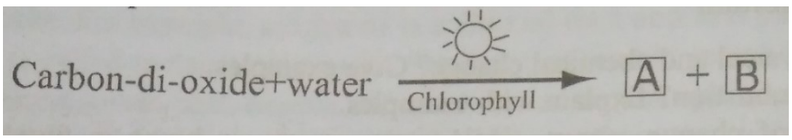
2. Photosynthesis is a chemical process - explain.

Ans.: In photosynthesis the plants produce glucose and oxygen by the reaction of carbon dioxide and water with the help of light. The produced glucose works in the growth of plants and oxygen helps us in breathing. The produced substance in photosynthesis, glucose and oxygen are completely different than reactant carbon dioxide and water. That is why photosynthesis is a chemical reaction.

Creative Questions

(Solve yourself)

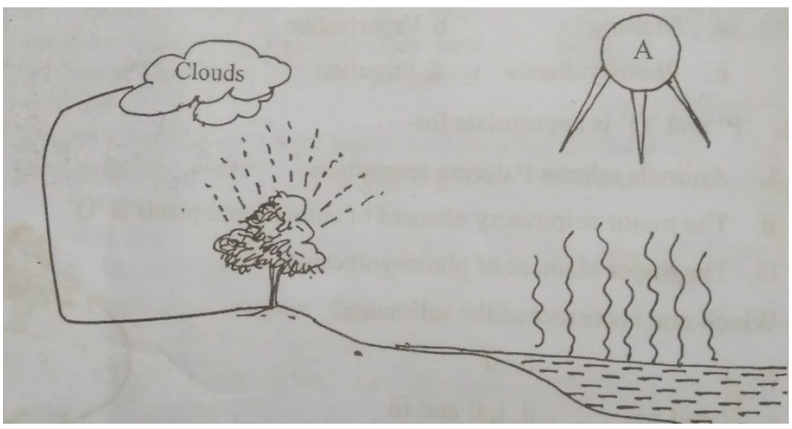
1.



a) Explain what type of change occurs in the reaction as mentioned in the above stem.

b) Between A and B of the stem, which one appears in cyclic order in the environment? Analyze.

2.



a) Explain the process mentioned in the above picture.

b) Analyze the role of 'A' in the process shown in the picture.