



KALPAVRUKSHA MODEL SCHOOL

Answers Assignments-4

Class: VIII

Sub: Biology

Date: 08.07.2021

Topic: Microorganisms

I. Answer the following questions:

1. How do microbes help in agriculture?

Ans: Blue-green algae and bacteria like Rhizobium (that live in the root nodules of leguminous plants like pea and soya bean) help in fixing atmospheric nitrogen and increasing soil fertility.

2. Write environmental uses of microorganisms.

Ans: Microbes such as bacteria and fungi act on the bodies of dead plants and animals and convert them into simple substances. These substances are used by other plants and animals. Removal of dead bodies by the action of microbes keeps our planet clean. Bacteria are also used in sewage treatment, where they help in the decay of waste organic matter.

3. What do you mean by nitrogen fixation?

Ans: The process by which free atmospheric nitrogen is converted into nitrogen compounds is called nitrogen fixation.

4. Differentiate between nitrogen cycle and nitrogen fixation.

S No	Nitrogen fixation	Nitrogen Cycle
1	The process by which the atmospheric nitrogen is converted into nitrogen compounds is called nitrogen fixation.	The natural cyclic process in which atmospheric nitrogen enters the soil and becomes a part of living organisms, before returning to the atmosphere.

5. Draw a neat labelled diagram of nitrogen cycle.

