

Chapter: 7

Q.1 Solve the following questions. (2)

A)

1) Find the odd one out

With regard to bio-geo-chemical cycle

- a. Calcium b. Carbon c. Nitrogen d. Oxygen

2) State whether the statement is true or false:

Most organisms cannot use the free form of nitrogen.

B) Choose the correct alternative and rewrite the sentence (1)

1) Nitrogen is present in the form of a in the atmosphere and in the form of in the soil and sediments.

- a. nitrogen gas, nitrogen oxide b. nitrogen oxide, nitrogen gas
c. nitrogen gas, nitrogen liquid d. nitrogen liquid, nitrogen gas

Q.2 Give Scientific reason: (ANY 1)

A)

1) Energy flow through an ecosystem is 'one way'.

2) All organisms participate in Nitrogen cycle.

Q.2 Solve the following questions. (Any two) (4)

B)

1) Write short note:

Saprotrophs

2) i. Define food web.

ii. What is a definite interaction from producers to saprophytes called as?

3) Distinguish between

Distinguish between Gaseous cycle and Sedimentary cycle

Q.3 Solve the following questions. (Any two) (6)

1) After the death of living organisms, carbon goes to the atmosphere and is again taken up by living organisms. Explain

2) Complete the table given below.

Bio-geo-chemical cycles	Biotic processes	Abiotic processes
i. Carbon cycle

ii. Oxygen cycle
iii. Nitrogen cycle

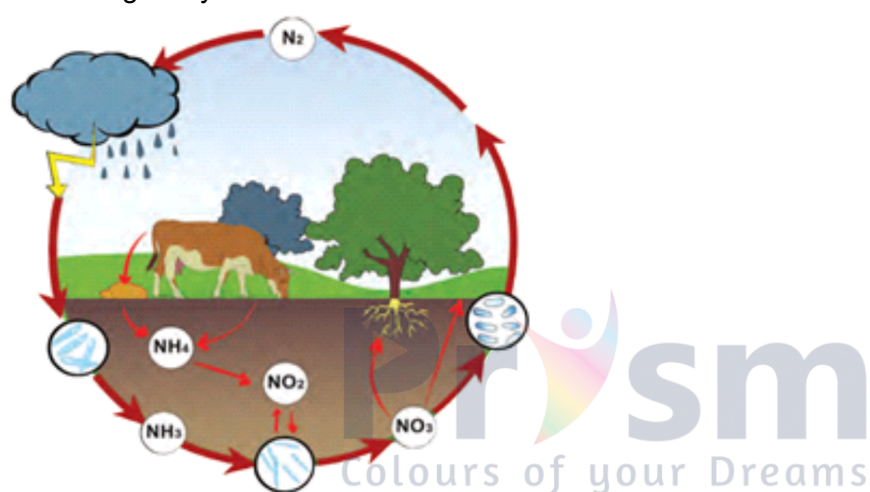
- 3) Complete the figure and describe the food chain. What is the missing link in the given food chain?



Q.4 Solve the following questions. (Any one)

(5)

- 1) Draw an energy pyramid of an ecosystem. Explain the pyramid and its trophic levels.
- 2) The Nitrogen Cycle



- i. In which form, Nitrogen cannot be used?
- ii. Define Ammonification.
- iii. Name any two organic nitrogen molecules.
- iv. What is denitrification?
- v. What is meant by nitrogen cycle?