

40 Questions in Horticulture Plant Ecology

Q₁/ Fill in the following gaps:

- 1- Population is -----.
- 2- Plant absorb sulphur in form of -----.
- 3- Food chain in pond ----- and ----- are responsible for performing photosynthesis.
- 4- In plant, intensity of light plays an important role in ----- and -----.
- 5- Succession is a series of complex processes, caused by-----, ----- and -----.
- 6- Steepness of a slope affects -----.
- 7- Altitude is concerned with the -----.
- 8- Precipitation may occur in the various form -----, -----, -----and -----.
- 9- Soil temperature influence greatly the-----, -----, and -----.
- 10- -----, ----- and ----- of the soil influence plant growth.
- 11- Moving air is called -----.
- 12- Consumers are mainly ----- they are unable ----- and depends on -----.
- 13- Inorganic substances like -----, ----- and -----.
- 15-Carbon moves from living things to atmosphere through -----.
- 16-The term environment describes the sum total of -----, ----- and -----.

Q₂/ Explain the following by schemes:

- 1- Oxygen cycle.
- 2- Water pollution.
- 3- Food Chain.
- 4- Nitrogen cycle.
- 5- Ecological pyramid.
- 6- Upright and Inverted pyramid

Q₃/Write the differences between the following:

- 1- Primary Succession and Secondary Succession.
- 2- Association and Consociation.
- 3- Positive interaction and Negative interaction.
- 4- Habitat and Niche
- 5- Food chain and Food web
- 6- Macroconsumer and Microconsumer

Q₅/ Define the following:

Microconsumer, pollution, Population, Realized niche, Photoautotrophs, Food chain,

Q₆/ Enumerate only:

- 1- Types of habitat.
- 2-Types of ecosystem.
- 3-Positive interaction.
- 4-Characteristics of a community.
- 5-Edaphic factors.
- 6-Positive interactions
- 7-Types of food chain
- 8-Types of ecology.

Q₇/

Define the producer, then explain the types of producers with examples.

Q₈/

Explain the effect of temperature on plants.

Q₉/

Enumerate the effect of pollution on human health.

Q₁₀/

Enumerate the characteristics of succession.

Q₁₁/

Detritus food chain unlike grazing food chain.

Q₁₂/

The major replenishment of oxygen is carried out by the green plant how?.

Q₁₃/

No assimilation of carbon dioxide in absence of light why?

Q₁₄/

Light also has many effects on animals how?

Q₁₅/

Explain the effect of wind on plants.

Q₁₆/

The major replenishment of oxygen is carried out by the green plant why?

Q₁₇/

Explain Nitrogen cycle by scheme.

Q₁₈/

Define the producer, then write the types of producers with examples.

Q₁₉/

Explain the food chain in land by scheme.

Q20/

Explain the effect of light on plants.

Q21/

Explain the effect of moisture or humidity on the plant.

Q22/

Enumerate types of ecology, and then explain one of them.

Q23/

Air pollution and soil pollution

Q24/

Compare between primary and secondary succession

Q25/ Enumerate only

1- Classification of community

2- Types of food chain

3- Abiotic components.

4- Effect of light on the plant (only three).

5- Types of ecological pyramids.

6- Important of studying ecology.

Q26/

Write the differences between the Association and consociation.

Q27/

Compare between Competition and predation.

Q28/

Compare between Autotrophic succession and Heterotrophic succession

Q29/

Compare between Fundamental niche and Realized niche.

Q30/

Compare between Grazing food chain and Detritus food chain.

Q31/

Compare between Food chain and Food web.

Q32/ Define the following:

Mineralization, hetrotroph, Ecology, Photoautotrophs, Nudation, Dominance.

Q33/ Define following:

Macroconsumer, Habitat, Association, Food web, Secondary Succession, Water pollution.

Q34/ Fill in the following gaps:

- 1- The term of autotrophic means -----, but the term of heterotrophic means -----.
- 2- Carbon moves from living things to atmosphere from-----.
- 3- Nitrogen converted to inorganic form such as ----- by a process called -----.
- 4- Food chain in pond ----- and ----- are responsible for performing photosynthesis.
- 5- Drizzle is a uniform -----.
- 6- Succession is a series of complex processes, caused by-----, ----- and -----.
- 7- Soil temperature influence greatly the -----, ----- and -----.
- 8- Steepness of a slope affects -----.
- 9- Societies may be ----- and -----.
- 10- Causes of Invasion are -----, ----- and -----.

Q35/

Define pollution, then write its types and explain soil pollution.

Q36/

Enumerate types of ecosystem, and then explain one of them.

Q37/

Explain the Altitude with examples.

Q38/

What is the meaning of Retrogressive succession clear that with examples.

Q39/

Enumerate Topographic factors.

Q40/

Write Importance of studying ecology

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