



# BIOLOGY

## NCERT - NCERT BIOLOGY(ENGLISH)

### ECOSYSTEM

#### Ecosystem

1. Plants are called as \_\_\_\_\_ because they fix carbon dioxide.



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2. In an ecosystem dominated by trees, the pyramid (of numbers) is \_\_\_\_\_ type.



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3. In aquatic ecosystems, the limiting factor for the productivity is \_\_\_\_\_.



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4. Common detritivores in our ecosystem are\_\_\_\_\_.



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5. The major reservoir of carbon on earth is\_\_\_\_\_



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6. Which one of the following has the largest population in a food chain?

A. Producers

B. Primary consumers

C. Secondary consumers

D. Decomposer

**Answer: A**



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7. The second trophic level of longer food chains in a lake is:

A. Phytoplankton

B. Zooplankton

C. Benthos

D. Fishes

**Answer: B**



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**8. Secondary producers are:-**

A. Herbivores

B. Producers

C. Carnivores

D. None of the above

**Answer: D**



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9. What is the percentage of photosynthetically active radiation (PAR), in the incident solar radiation.

A. 1

B. 0.5

C. 1-5%

D. 2-10%

**Answer: B**



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**10. Distinguish between**

- (a) Grazing food chain and detritus food chain
- (b) Production and decomposition
- (c) Upright and inverted pyramid
- (d) Food chain and Food web
- (e) Litter and detritus
- (f) Primary and secondary productivity .



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**11. Describe the components of an ecosystem.**







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**12.** Define ecological pyramids and describe with examples, pyramids of number and biomass.



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**13.** What is primary productivity? Give brief description of factors that affect primary productivity



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**14.** Define decomposition and describe the processes and products of decomposition.



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**15.** Give an account of energy flow in an ecosystem.



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**16.** Write important features of a sedimentary cycle in an ecosystem.



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**17.** Outline salient features of carbon cycling in an ecosystem



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