



# BIOLOGY

## NCERT - NCERT BIOLOGY(TELUGU)

### ECOSYSTEM

#### Exercise

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. Decomposers

**Answer:**



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7. The second trophic level in a lake is-

A. Phytoplankton

B. Zooplankton

C. Benthos

D. Fishes

**Answer:**



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8. Secondary producers are

A. Herbivores

B. Producers

C. Carnivores

D. None of the above

**Answer:**



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

A. 100 %

B. 50 %

C. 1 – 5 %

D. 2 – 10 %

**Answer:**



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**10. Distinguish between Grazing food chain and detritus food chain**



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**11.** Distinguish between Production and decomposition



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**12.** Distinguish between Upright and inverted pyramid



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**13.** Distinguish between Food chain and Food web



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**14.** Distinguish between Litter and detritus



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**15.** Distinguish between Primary and secondary productivity



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



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



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



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



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



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



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



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