



# BIOLOGY

## BOOKS - PSEB

### ECOSYSTEM

#### Exercise

1. Fill In the blanks: Plants are called as \_\_\_\_\_  
\_\_\_\_\_because they- fix carbon dioxide.



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



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



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4. Fill In the blanks: Common detritivores In our ecosystem are\_\_\_\_\_ .



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5. Fill In the blanks: 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. 1

B. 0.5

C. 1-5%

D. 2-10%

**Answer:**



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**10.** Differentiate 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 pyramid and describe with examples pyramid of number and biomass.



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**18.** Define Productivity. 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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