



BIOLOGY

BOOKS - PEARSON IIT JEE FOUNDATION

OUR ECOSYSTEM

Test Your Concepts Fill In The Blanks

1. _____ covers 0.78% of earth's surface.



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2. The type of the natural bioms which lack tree is _____



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3. Desert -like areas that has cold winters with snowfall throughout the long winter season is _____



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4. _____ is a mixed of woodland and grassland ecosystem.



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5. Biggest predator as seen in pampas regain is _____ .



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6. _____ is the largest desert in the world.





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7. The waters that can be degraded naturally are called _____



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8. Creating forest manually or artificially is called _____ -



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9. Producers help in converting energy from sunlight to _____ energy.



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10. The amount of energy _____ as it flows from lower trophic level to high trophic level.



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11. _____ comes in the first trophic level.



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Test Your Concepts

1. For each of the following questions four choices have been provided. Select the correct alternatives. _____ ecosystem is formed due to low rainfall per year.



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2. For each of the following questions four choices have been provided. Select the correct alternatives.

Flat fertile lands dominated by grasses are seen in the _____



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3. For each of the following questions four choices have been provided. Select the correct alternatives.

Flat fertile lands dominated by grasses are seen in the _____



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4. For each of the following questions four choices have been provided. Select the correct alternatives.

The coldest of all biomes is _____

A. desert

B. freshwater ecosystem

C. tropical rainforest

D. tundra

Answer: D



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5. For each of the following questions four choices have been provided. Select the correct alternatives.

The prairies are included in _____

- A. forest ecosystem
- B. grassland ecosystem
- C. desert ecosystem
- D. aquatic ecosystem

Answer: B



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6. For each of the following questions four choices have been provided. Select the correct alternatives.

The plants like Cactus and other thorny shrubs can be seen in _____

- A. desert ecosystem
- B. Forest ecosystem
- C. tundra ecosystem
- D. aquatic ecosystem

Answer: A



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7. For each of the following questions four choices have been provided. Select the correct alternatives.

Inter-connected food chain is called _____

A. trophic level

B. food web

C. pyramid

D. None of these

Answer: B



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8. For each of the following questions four choices have been provided. Select the correct alternatives.

which one of the following is not a threat to forest ?

- A. Producers
- B. Carnivores
- C. Herbivores
- D. Decomposers

Answer: C



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9. For each of the following questions four choices have been provided. Select the correct alternatives.

Which one of the following is not a threat to forest ? s

A. Commercial exploitation

B. Deforestation

C. Urbanization

D. Afforestation

Answer: D



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10. For each of the following questions four choices have been provided. Select the correct alternatives.

Carbon dioxide from atmosphere reaches the biotic component through _____

A. respiration

B. photosynthesis

C. decomposition

D. fossil fuel burning

Answer: B



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11. For each of the following questions four choices have been provided. Select the correct alternatives.

The process of planting trees wherever big trees and plants are removed is _____

- A. Deforestation
- B. Afforestation
- C. Reforestation
- D. Both (a) and (c)

Answer: C



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Mastering The Concepts Knowledge And Understanding

1. What is tundra ? Write the names of different types of tundra.



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2. What are the types of freshwater ecosystem ?



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3. It is difficult for the survival of plants and animals in hot and dry desert in general . Why ?



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4. How do hot and dry deserts differ from the semi-arid desert ?



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5. Give a note on Savannah.



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6. Give some examples for animals and plants which can be seen in desert ecosystem and tell us how they would adapt with the climate.



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7. Write a brief note on pampas.



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8. How do tropical grasslands differ from the temper - ate grasslands ?



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9. What are the main components of a forest ecosystem ?



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10. Write a short note on snow forest.



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11. Write any two differences between the temperate forest and tropical rainforest ecosystems.



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12. Give a note on the various consequences of soil pollution.



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13. Explain food chain with the help of one example .



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14. Write a note on the significance of forest.



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15. What are the threats which a forest face ?



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16. Give a note on water pollution.



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Mastering The Concepts Application And
Analysis

1. Mention the names of four types of grasslands.



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2. What are the types of desert ecosystem ?



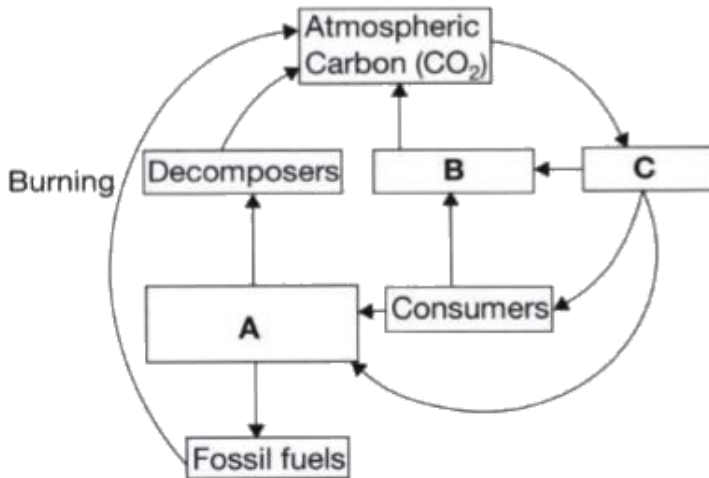
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3. Describe carbon cycle.



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4. Complete the diagram with missing words.



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5. Is all the primary productivity available to a herbivore? If not, why.



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6. What will happen if herbivores are removed from a grass type food chain?



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7. Why do birds and mammals not hibernate during winter season unlike other animals ?



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8. Smaller food chains are more efficient as compared to larger ones. Why ?



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9. Why is it advised that automobiles should switch over to cleaner fuels, like CNG and LPG ?



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Quick Recap

1. What are the components of an ecosystem ?
Differentiate between them.



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2. Give a note on terrestrial ecosystem.



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3. What is Arctic tundra ?



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4. What is permafrost ?



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5. Define the trophic levels and mention the organisms that occupy in each trophic level.



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6. How does the deforestation affect wildlife ?



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7. What is air pollution ? What are the various reasons for air pollution ?



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8. What are the different methods to conserve forest ?



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