

India's Number 1 Education App

BIOLOGY

BOOKS - BETTER CHOICE PUBLICATION

ECOSYSTEM

Very Short Answer

1. Which interaction is shown by the epiphytic

plants

2. Define an ecotype.
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3. What do you understand by the term biota
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4. Name two free floating hydrophytes.
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5. Define Ecotone
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6. What are Benthos
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7. An orchid plant Is growing on the branch of
mango tree. How do you describe this

interaction between the orchid and the

mango tree?



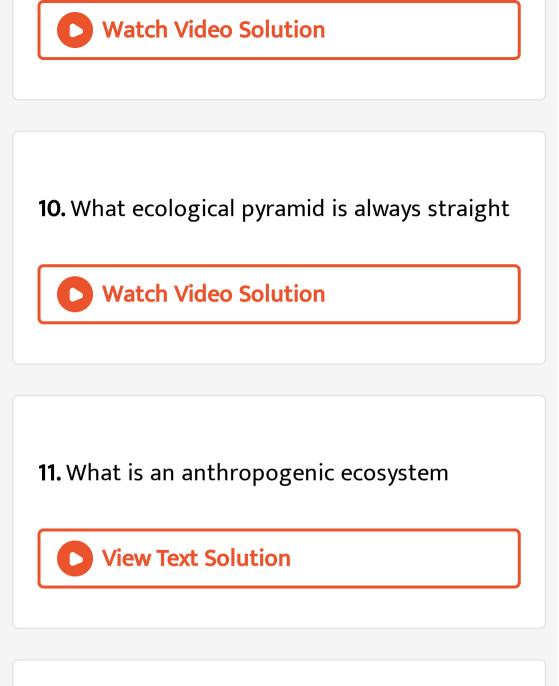
8. What is the ecological principle behind the

biological control method of managing with

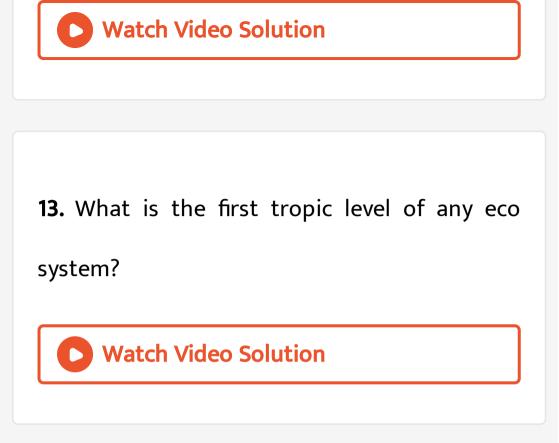
pest Insects?



9. What is 10% law?



12. What is an eco-system?



14. What is hydrosere?

15. Who are the primary consumers in the food

chain?

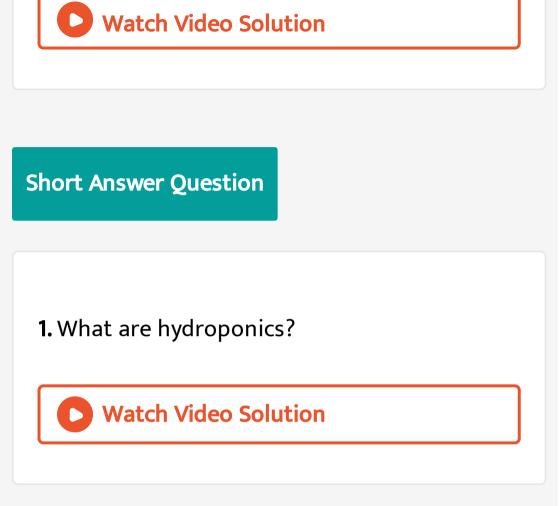


16. What is the primary source of energy in

Detritus food chain?



17. Name the global sink of carbondioxide.



2. How does the forest help to maintain the

climate



3. Give the ecological adaptations of succulents?

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4. What is the difference between climate and

weather?

5. What is retrogressive succession



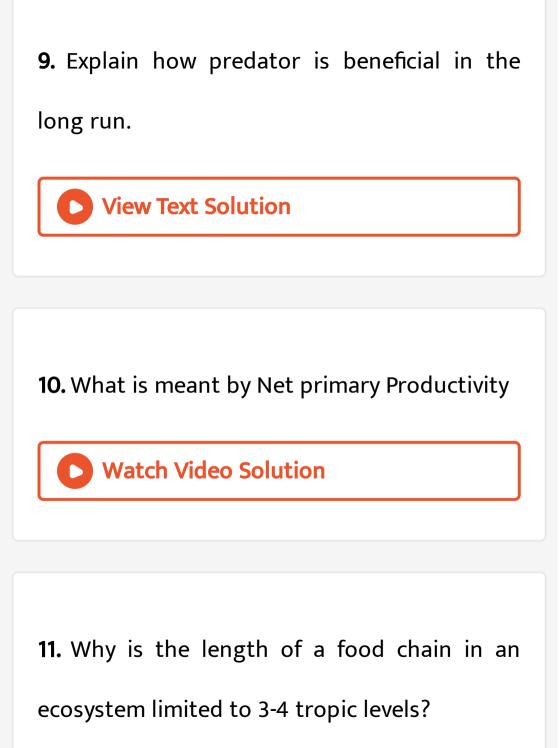
6. What is nutrient cycling? Discuss the significance of nutrient cycling. Discuss three aspects of nutrient cycles.

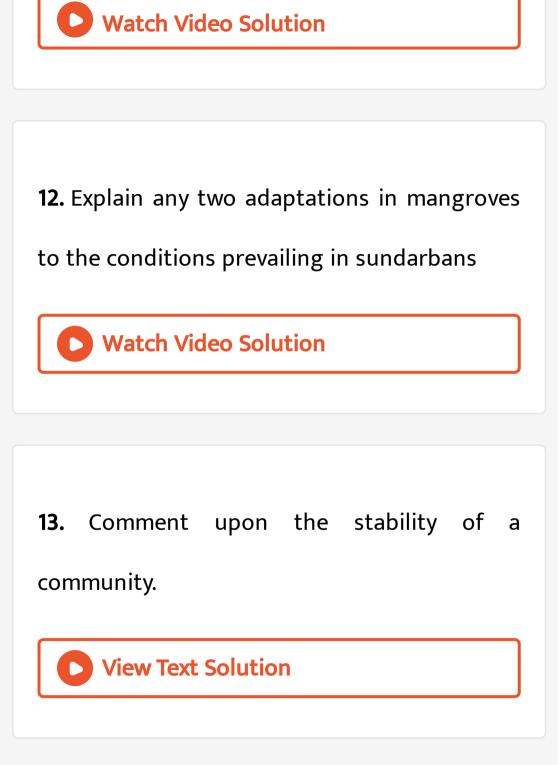


7. What is Ecological efficiency ? Write its significance.
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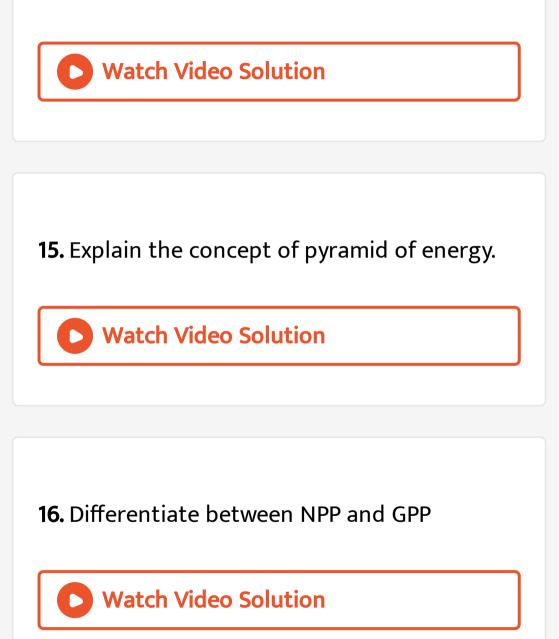
8. Why is the term Cycle used for the

movement of matter but flow for energy.

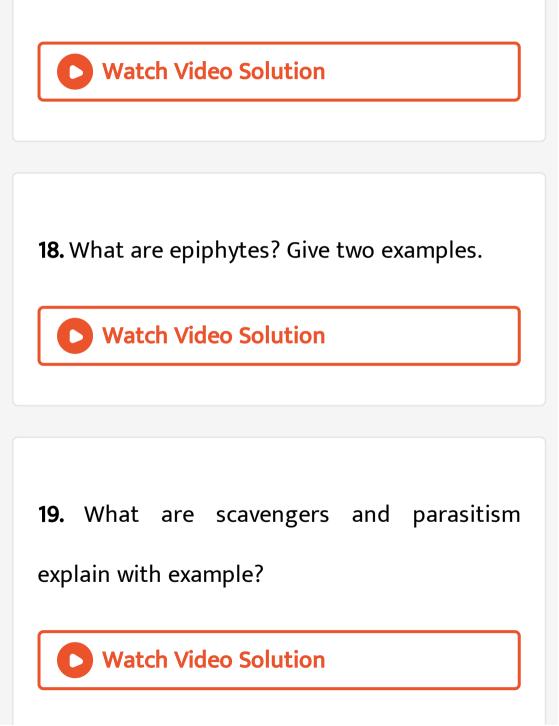




14. Explain the concept of pyramid of biomass.



17. Explain the concept of pyramid of numbers.



20. Explain importance of decomposers in an ecosystem.



21. Outline salient features of Nitrogen cycle in

an ecosystem.

22. Differentiate primary productivity and

secondary productivity.

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23. Explain role of consumers in an ecosystem.

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Short Answer Type Questions li

1. Define ecological succession. Give four differences between seral stage and climax stage.



2. Give major characteristics of the desert

biome.



3. How is energy related to biomass.



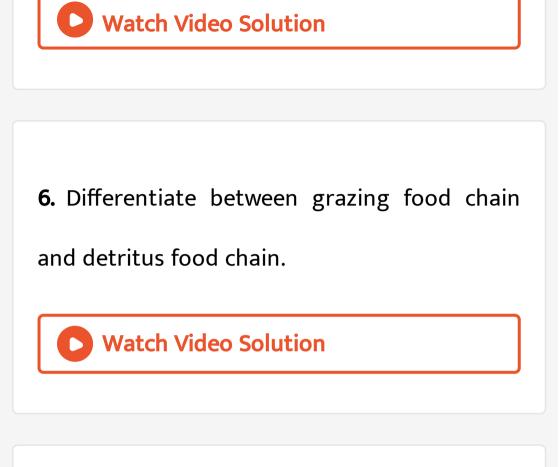
4. All the solar energy trapped by green plants

ultimately returns to the environment ?

Comment on this statement.



5. Explain the meaning of 10% law.



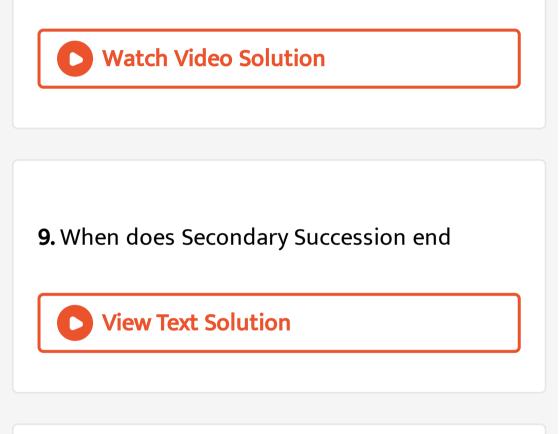
7. Define the term population dynamics and

Biotic potential.

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8. What are artificial Ecosystems ? Name two

man made ecosystems.



10. Explain why photosynthesis is considered

the most important process in the biosphere.





11. Describe the characteristics of Tropical rain

forests.



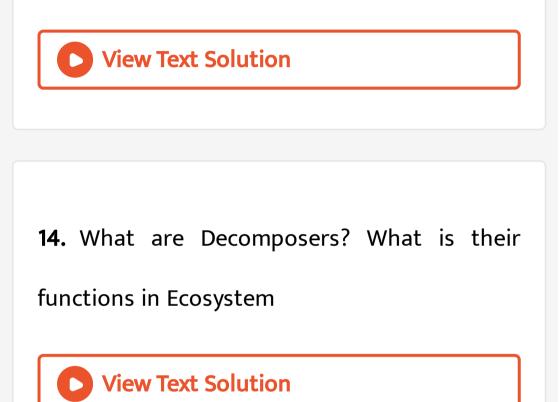
12. What is meant by Proto Cooperation?

Describe any two examples of it.

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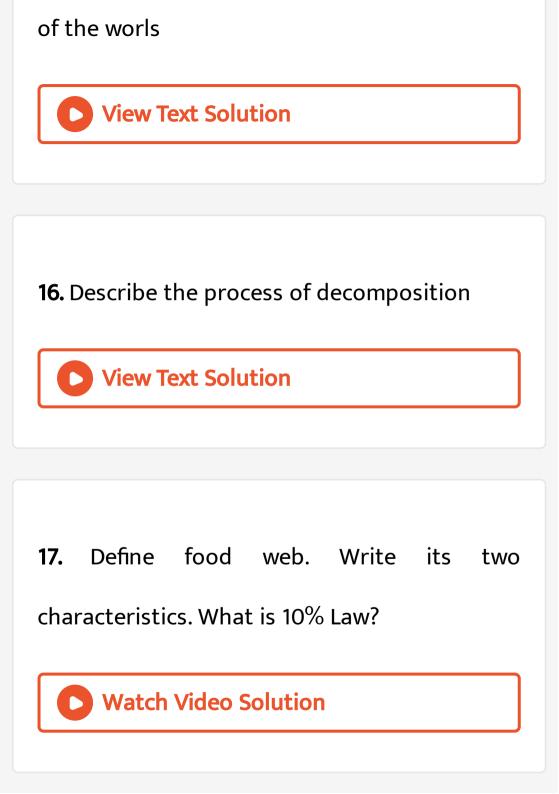
13. Why are wet lands considered Ecologically

important



15. What is Primary productivity. Give the range

of primary productivity in different ecosystems



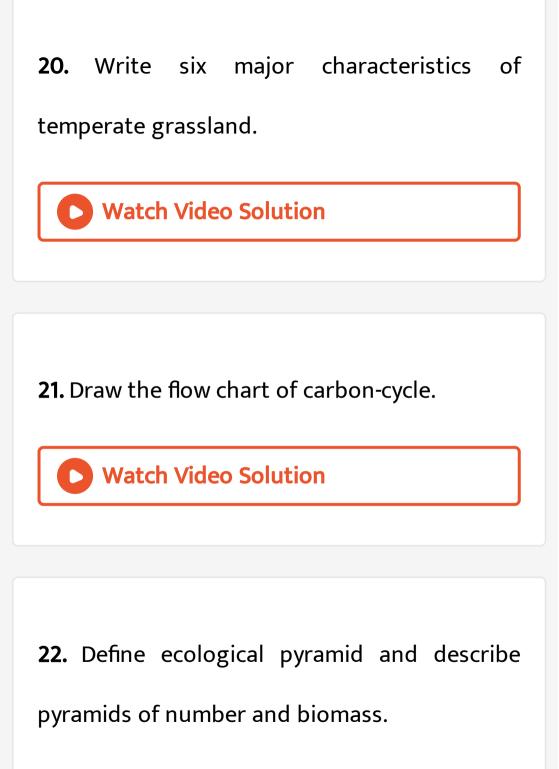
18. Define ecological succession. List any two characteristics of it. Distinguish between

primary and secondary succession.



19. Write six major characteristics of Tundra

biome.





23. Give a graphical representation of phosphorous cycle.

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24. Define ecosystem services. List examples of

eco-system services.



1. What is ecology ? Briefly Explain four majors

abiotic factors of environmental.



2. What is ecosystem? Write about biotic

components of ecosystem

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3. What is food chain? Explain briefly grazing

food chain and detritus food chain.



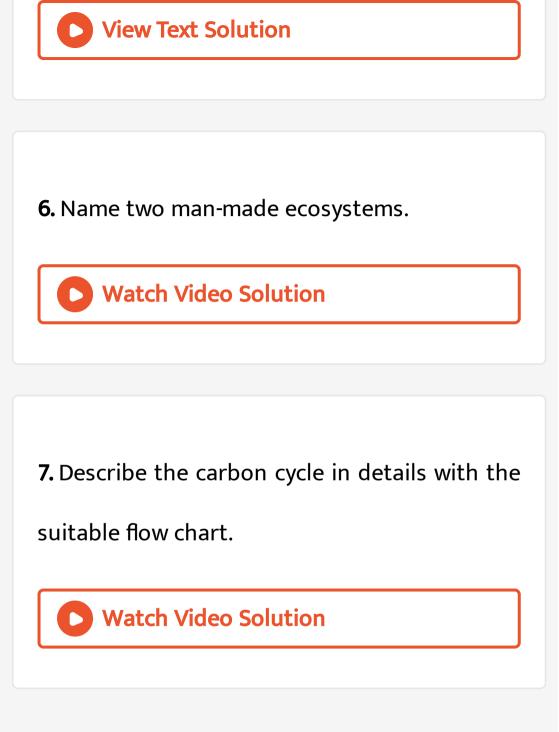
4. What is a biome? Explain forest biome along

with its importance.

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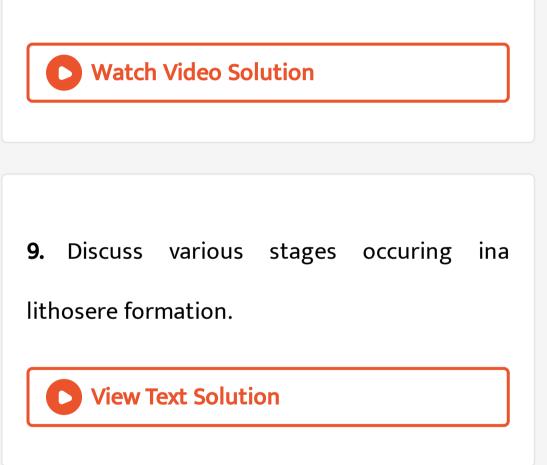
5. Explain briefly the role of producers In an

ecosystem.



8. Explain the nitrogen cycle with suitable flow

chart.



10. Discuss various types of ecological pyramids with diagrams.
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11. Discuss various stages occurring in a

hydrosere formation.



12. What are ecological pyramids? Discuss its

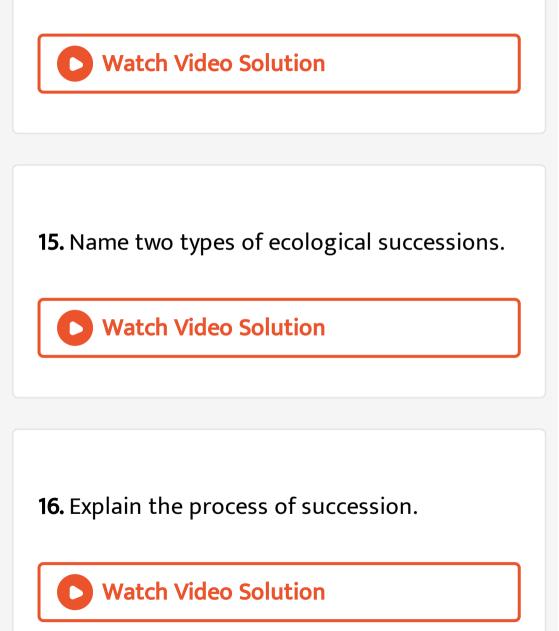
types. Which pyramid is always upright.



13. What is nutrient cycling? Discuss the significance of nutrient cycling. Discuss three aspects of nutrient cycles.



14. What is an ecological succession ?



17. Explain carbon cycle in nature with suitable

flow chart.

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18. What do you mean by succession ? Give

one difference between Primary and

Secondary succession. Describe process of

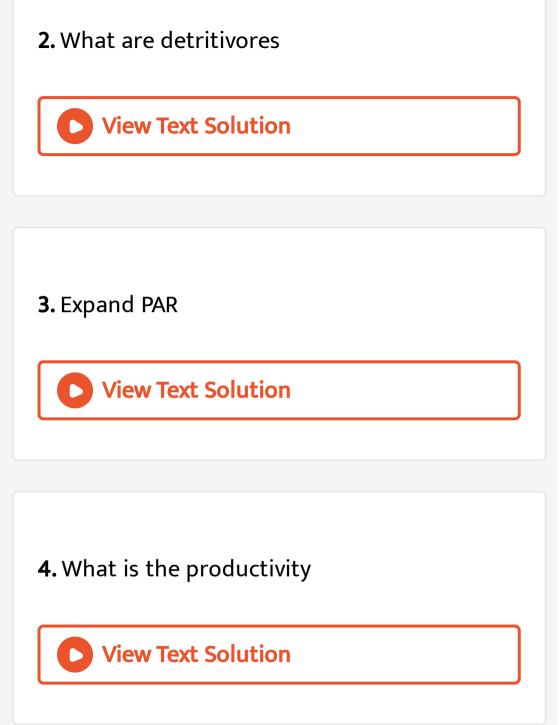
succession on bare rock.

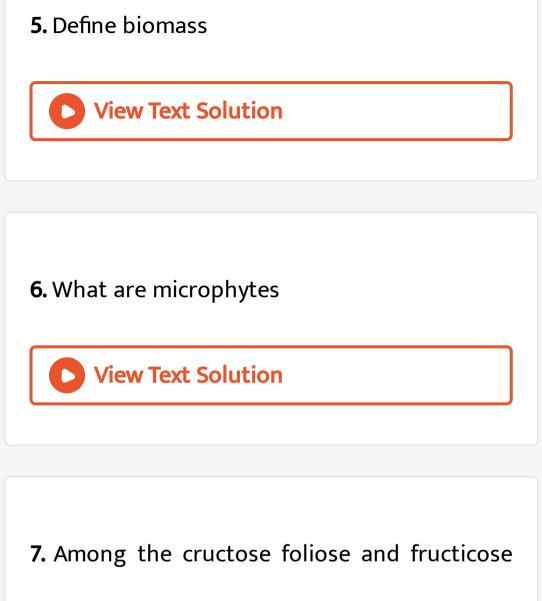
19. Explain phosphorus cycle with suitable flow chart. Why phosphorus cycle is an imperfect cycle ?



Most Expected Questions

1. What is detritus?





lichens which one is a pioneer species

8. What is common to earthworm, mushroom,

soil mites and dung beetle in an ecosystem?

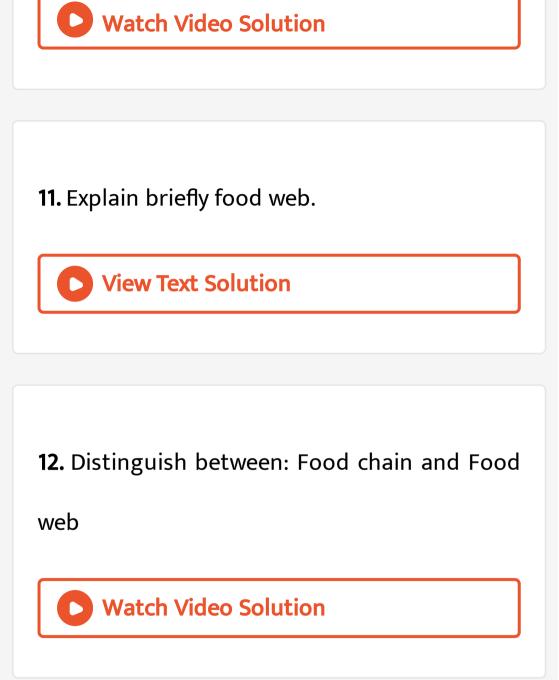
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9. What is standing state? Coin the term for

vertical distribution of vegetation in a forest.

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10. Define lithosere.



13. Differentiate between standing crop and

standing state

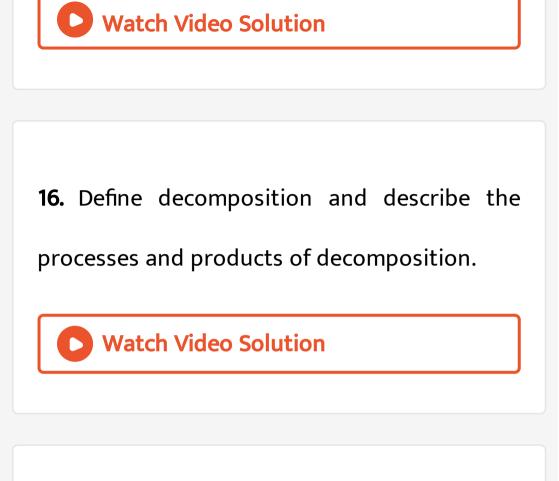
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14. Differentiate between grazing food chain

and detritus food chain.



15. Describe the components of an ecosystem.



17. Give an account of energy flow in an ecosystem.

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18. Define ecological pyramid and describe

pyramids of number and biomass.



19. Write important features of a sedimentary

cycle In an ecosystem.

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20. What Is the difference between gaseous

and sedimentary type of nutrient cycle

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21. The input and output of nutrient.% maintain balance in an ecosystem. How? List few factors responsible for causing unbalanced nutrient cycle and ecosystem

22. Explain the process of decomposition and

give products of decomposition.

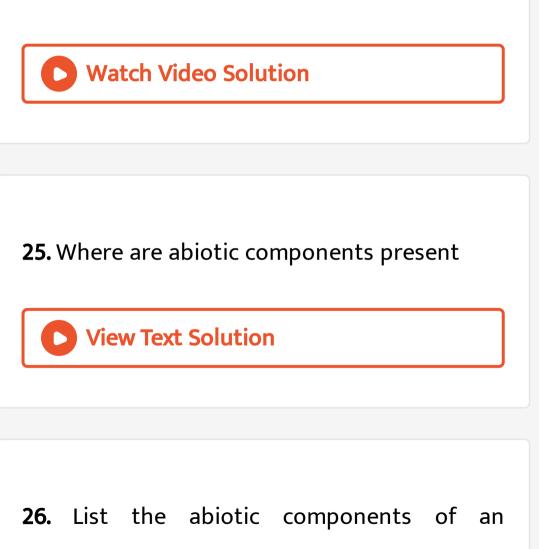


23. Write two examples where man has

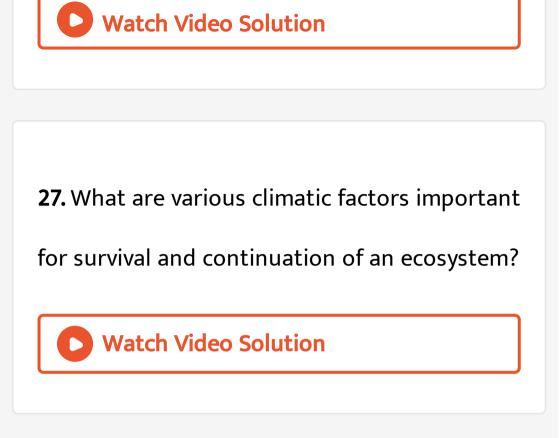
interfered in ecosystems

24. The two basic components of an ecosystem

are



ecosystem.



28. Define the terms (i) Productivity, (ii) Reserve

pool and (iii) Cycling pool.

29. Differentiate between a detritivore and a

decomposer. Give an example of each.



30. Given an account of factors affecting rate

of decomposition

