

BIOLOGY

BOOKS - VGS BRILLIANT BIOLOGY (TELUGU ENGLISH)

OUR ENVIRONMENT

Conceptual Understanding

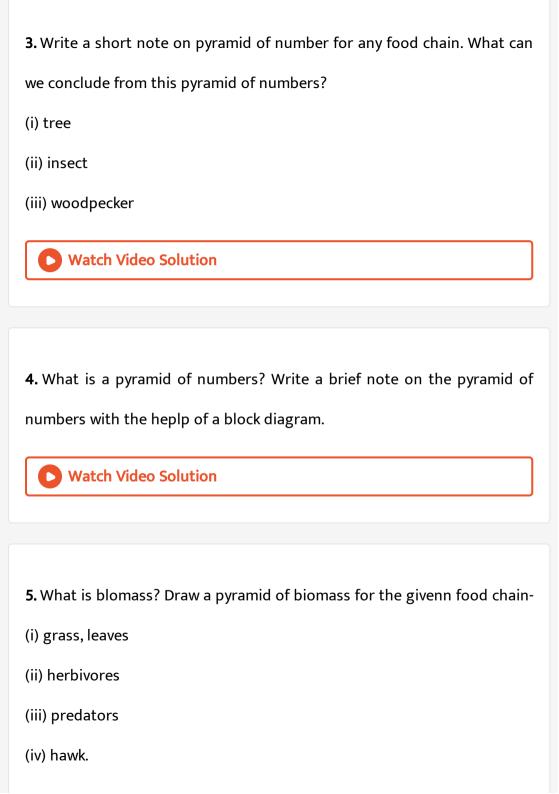
1. What happens to the amount of energy transferred from one step to the next in a food chain?



Watch Video Solution

2. What do pyramids and food chain indicate in an ecosystem?





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6. How is using of toxic material affecting the ecosystem? Write a short note on bioaccumulation and biomagnifications.



7. How is using of toxic material affecting the ecosystem? Write a short note on bioaccumulation and biomagnifications.



8. Should we use pesticides as they prevent our crop and food from pests or we should think of alternatives? Write your view about this issue and give sound reason for your answer.



9. What is a trophic level? W	hat does it repre	esent in an ecological
pyramid?		
Watch Video Solution		

Asking Questions And Making Hypothesis

1. If you want to know more about flow of energy in an ecosystemm, what questions do you ask?



2. What will happen if we remove predators from food web?



Experimentation And Field Investigation

1. Observe a plant in your kitchen garden,a nd write a note on producer-
consumer relationship.
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Information Skills And Projects

1. What type of information do you require to explain pyramid of biomass?



Communication Through Drawing Model Making

1. Draw a pyramid of numbers considering yourselff as top level consumer.



Application To Daily Life Concern To Biodiversity

1. Write any two slogans to promote awareness among the people about Ecofriendly programs.



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2. Suggest any three programmes for prevention off soil pollution in view of avoiding pesticides.

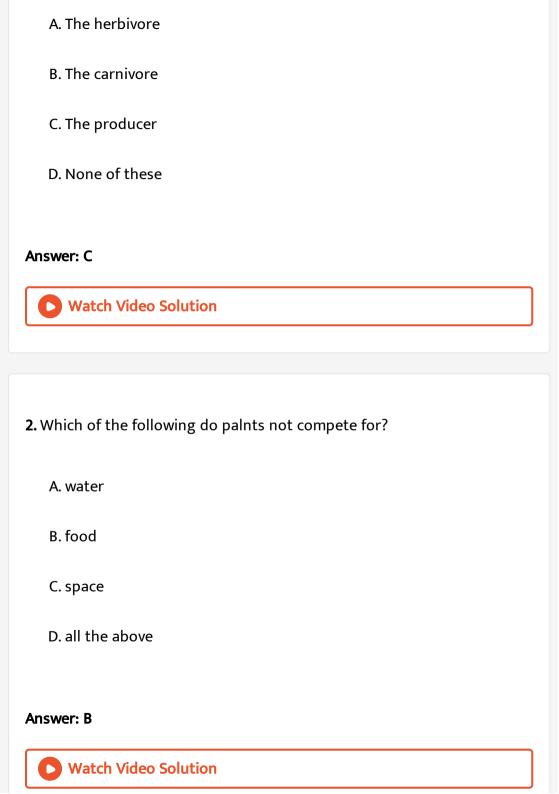
In your area, soil is polluted by the enormous usage of pesticides.

Suggest any two programmes for prevention of soil pollution.



Objective Assignment

1. What does a food chain always start with?



- 3. Ban al pesticides, this means that
 - A. control on usage of pesticides
 - B. prevention of pesticides
 - C. promote eco-friendly agricultural practices
 - D. stop biochemical factories

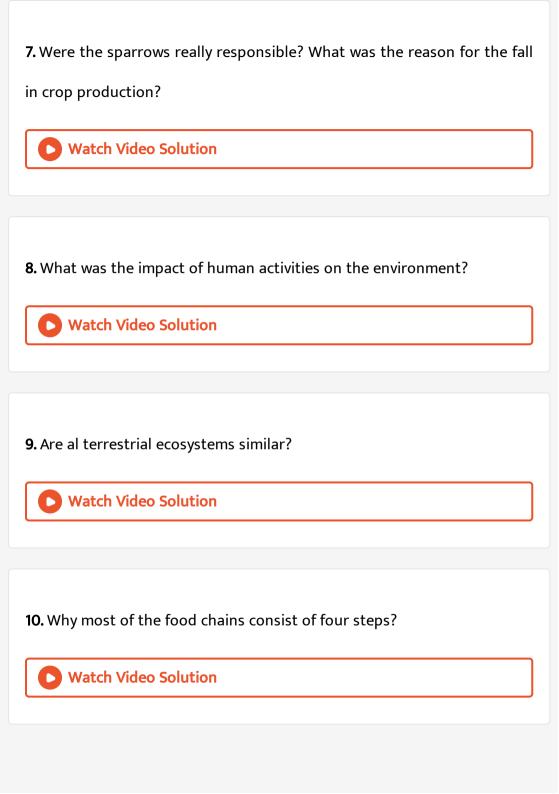
Answer: C



- 4. According to charles eiton
 - A. Carnivores at the top of the pyramid
 - B. Enegy trapping is high at the top of the pyramid
 - C. No producers at the top of the pyramid

D. A and C
Answer: D
Watch Video Solution
Questions Given In The Lesson
1. Name any two pesticides/insecticides you have heard about.
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2. Wher from pollutants enter to the water sources?
Watch Video Solution
3. How can you say fishes living in water having heavy metals in their
bodies?

Watch Video Solution			
4. What is the food chain that has been discussed in the above occurrence?			
Watch Video Calution			
Watch Video Solution			
5. How did these disturbances affect the environment?			
Watch Video Solution			
6. Is it right to eradicate a living organism in an ecosystem? How is it harmful?			
Watch Video Solution			



11. Why do the number of organisms get decreased as we move from producer to different level of consumes? **Watch Video Solution** 12. How are the food grains and cereals being stored in your house and how do you protect them from pests and fungus? **Watch Video Solution** 13. Researchers found that pollution levels increse during monsoon season. Why they found so? **Watch Video Solution** 14. Why did people also suffer from various disease after consuming fishes living in local water reservoir?



15. How did the campaign disturb the food chain in the field?



16. What do you suggest to stop/avoid the disturb the food chain in the field?



hawk then connect the given picture in textbook of organisms by putting arrows and make a food chain.

17. If we want to show a food chain consisting of grass, rabbit, snake and

- (A). Name the producers and consumers in the above food chain.
- (B) Try to guess what the arrows marked by you are indicating.
 - (C) Identify atleast four other food chains from your surroundings.



18. Draw the pyramid of number for the following food chains.

two cases as compare to the example given in the paragraph?

- (i) Banyan ightarrow insects ightarrow woodpecker
- (ii) Grass o rabbit o wolf
- * Are the pyramid of numbers having same structure in both of the above



19. Think why are the pyramids always upright?



20. Observe the data given in the following table:



Answer the following question Q. In which year lake-water speared area is more ? Why?

21. Observe the data given in the following table:



Answer the following question Q. How do you think weeds are more in the lake?



22. Observe the data given in the following table:



Answer the following question Q. What are the reasons for decrease in lake area?



23. Observe the data given in the following table:



Answer the following question Q. how do the above reaons lead to pollution?



24. Observe the data given in the following table:



Answer the following question Q. how was the threat to the lake due to pollution discovered?



25. Observe the data given in the following table:



Answer the following question Q. What could be the resons for the migration of birds to this lake?



26. Observe the following table showing different activities in the lake and their influence.



Legend: (+) means have influence on the mentioned problem.

- (-) means has no influence on the mentioned problem.
- Q. What are the factors that affected the number of migratory birds to decrease?



View Text Solution

27. Observe the following table showing different activities in the lake and their influence.



Legend: (+) means have influence on the mentioned problem.

- (-) means has no influence on the mentioned problem.
- Q. What are the reasons for chemical problems?



View Text Solution

28. Observe the following table showing different activities in the lake and their influence.



Legend: (+) means have influence on the mentioned problem.

- (-) means has no influence on the mentioned problem.
- Q. What happens if the dissolved oxygenn reduces in lake water?



View Text Solution

29. Observe the following table showing different activities in the lake and their influence.



Legend: (+) means have influence on the mentioned problem.

- (-) means has no influence on the mentioned problem.
- Q. Is BOD of turbid and nutrient rich water high or low? What are its consequences?



View Text Solution

30. Observe the following table showing different activities in the lake and their influence.

Legend: (+) means have influence on the mentioned problem.

(-) means has no influence on the mentioned problem.

Q. People living in catchment area of Kolleru faced so many problems. why?



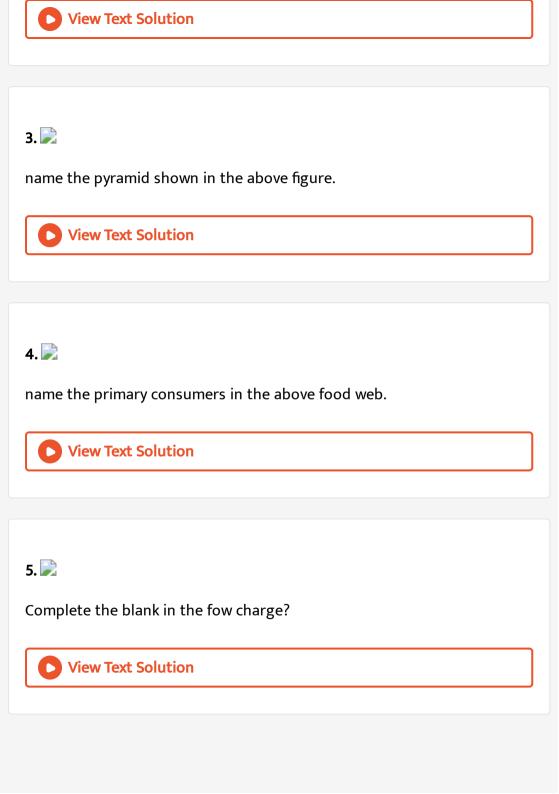
Creative Questions For New Model Paper

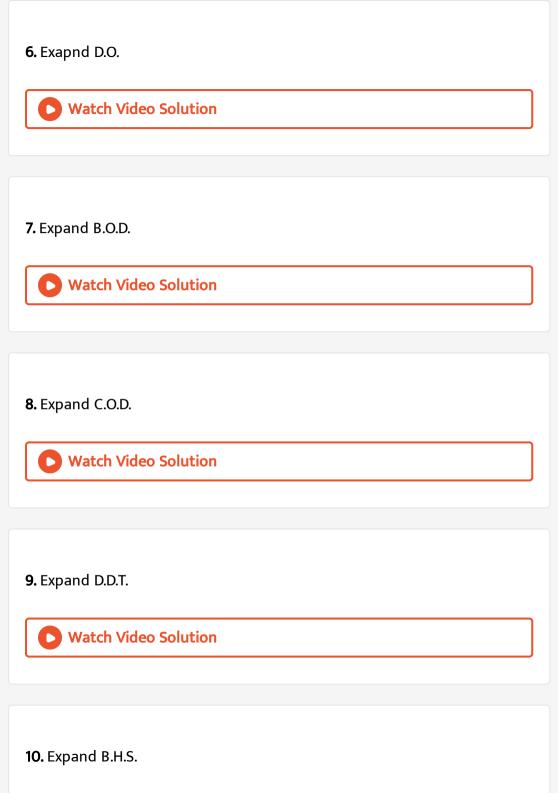
1. Complete the following blank.

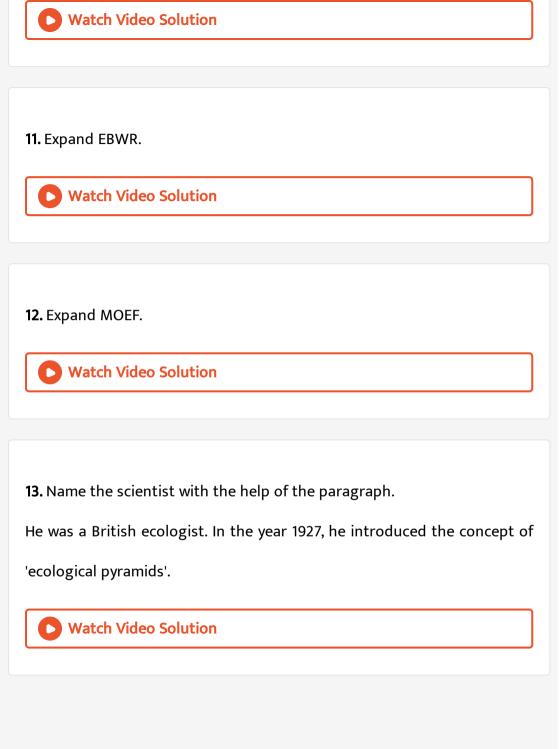




2. ItBrgt Name the top carnivores in the above food web.







14. Complete the blanks.

Any type of plant or animal material that can be converted into energy is called (1). The flow of energ in an ecosystem is always (2).



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15. Complte the blanks.

In an ecological pyramid (1) occupy the base and (2) occupy the apex of the pyramid.



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16. Complete the blanks.

The entering of pollutants in a food chain is called (1). The tendency of polluntants to concentrate as they move from one trophic level to another is called (2).



17. Read the sentence, find the error and rewrite it.

Algae are considered to be the bioindicators of metal pollution.



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- **18.** Which of the following group constitute heavy metals.
- (A). Cadmium, Chromium, Niickel, Lead.
- (B) Iron, Boron, Silicon, Carbon, Sodium.



Watch Video Solution

- **19.** Which of the following group constitute the correct order of accumulation of heavy metals in fish?
- (A). Cd > Cr > Fe > Ni > Pb
- (B). Pb > Cd > Cr > Fe > Ni



20. Identify the mis-matched pair.		
(1) Minimate-Japan.		
(2). MIC gas-Bhopal		
(3) Chernobyl-Water pollution		
Watch Video Solution		
21. Identify the mis-matched pair.		
(1) Crop rotation-Ecofriendly		
(2) DDT-Biomagnification		
(3) Operation Kolleru-Hunting Dangerous birds in Kolleru		
Watch Video Solution		
22. Complete the blank.		
View Text Solution		



View Text Solution

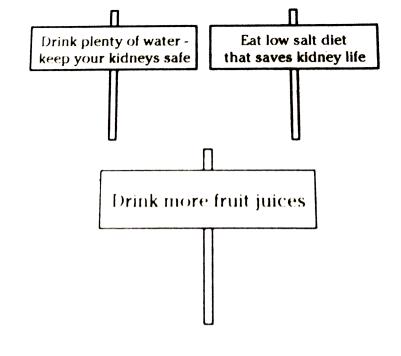
24. Read the given food chain, find the error and rewrite it.

Plants-Frog-Snake-Grasshopper-Hawk.



Watch Video Solution

25. Observe the placards. Suggest one occasion can you use them in your school.





26. ItBrgt Give two examples for T4 trophic level.



27. Fill in the blanks.

Sparrow campaign was happened in ___() in the year ___(2)



watch video Solution
28. I am the universal food provider. Every food chain starts from me. Who am I?
Watch Video Solution
29. I occupy the top of the pyramid. I stand at the end of every food chain.
Who am I?
Watch Video Solution
30. I am an ecological pyramid. I show the population of organisms at
each trophic level in a food chain. Who am I?
Watch Video Solution

31. I am an ecological pyramid. I represent the quantitiy of living matter at each trophic level. Who am i?



32. Diatoms o zooplankton o Larve o Fish o man

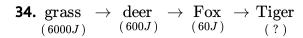
Observe the above food chain and identify the tertiary consumer.



33. Complete the blanks

A food chain always starts with ____(1)____(2) pyramid of aquatic ecosystemm is not up right?





What is the available energy at tiger in the above food chain?



35. Observe the following placards. When will you use them in your school?





36. In the year____(1), the government of andhra pradesh, declared kolleru lake

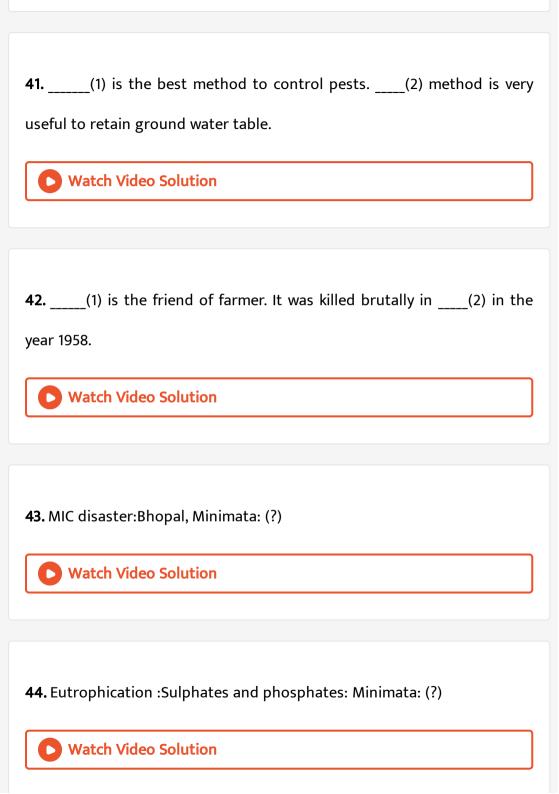
as ___ (2).



37. (1) number of species of birds are migrating to Kolleru lake between the months of (2) from nothern Asia and eastern europe. Watch Video Solution **38.** (1) and (2) are thhe major causes of decrese in water area and pollution. Watch Video Solution **39.** (1) is responsible for the growth of excessive and explosive weed growth like (2)







45. Green plants-Grasshopper-Frog-Snake-Hawk.

name the secondary consumer in the above food chain.



Watch Video Solution

46. Write the proper of food chain

 $\mathsf{Eagle} \to \mathsf{rat} \to \mathsf{snake} \to \mathsf{\ grain}$

 $\mathsf{grain} \to \mathsf{rat} \to \mathsf{snake} \to \mathsf{eagle}$

 $\mathsf{snake} \to \mathsf{eagle} \to \mathsf{rat} \to \mathsf{grain}$

 $\mathsf{rat} \to \mathsf{snake} \to \mathsf{grain} \to \mathsf{eagle}$



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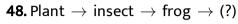
47. 📝

In this food chain, the organism which belongs to the second trophic

levels is ____

Snake, plant, Grasshopper, frog.







49. Choose the right one for the emptly box

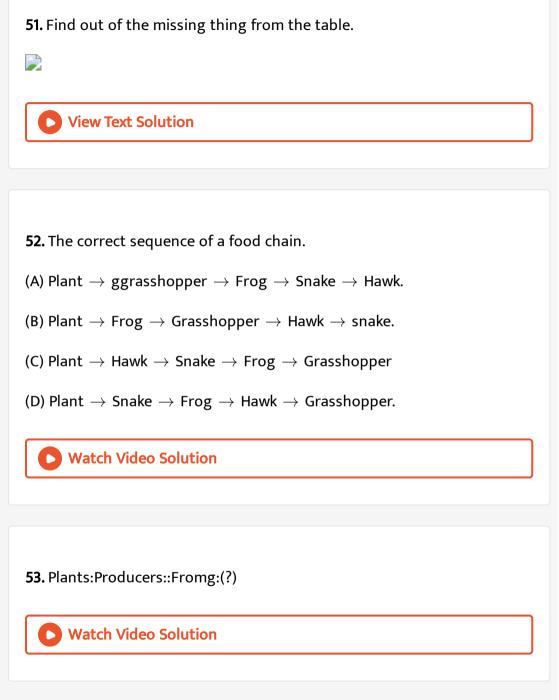


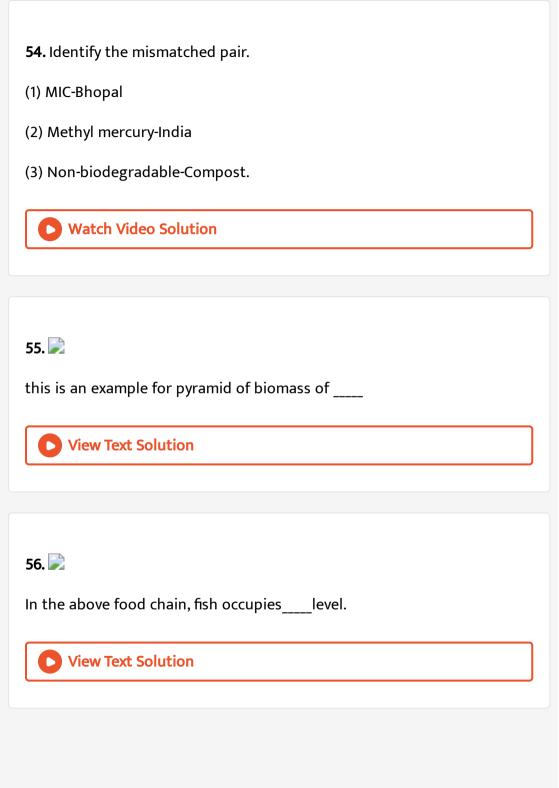


50. Fill the empty box choosing the right one from the following:









57. This pyramid shows the grassland ecosystem. Al the trophic levels are completely destroyed. What might have happened to his ecosystem? **View Text Solution 58.** Ecosystem: Tansley:: Ecological Pyramid ? **Watch Video Solution** 59. this flow chart represents **View Text Solution** 60. What is the heavy metal that accumulated in higher quantities in the liver, gills and kidney of fish in Edulabad water reservoir (EBWR)?



61. 📝

This photograph tells us about.



62. If the energy available at tertiary consumer level is 20J in a food chain, how much energy will be available at the primary consumer level ? (10% law)

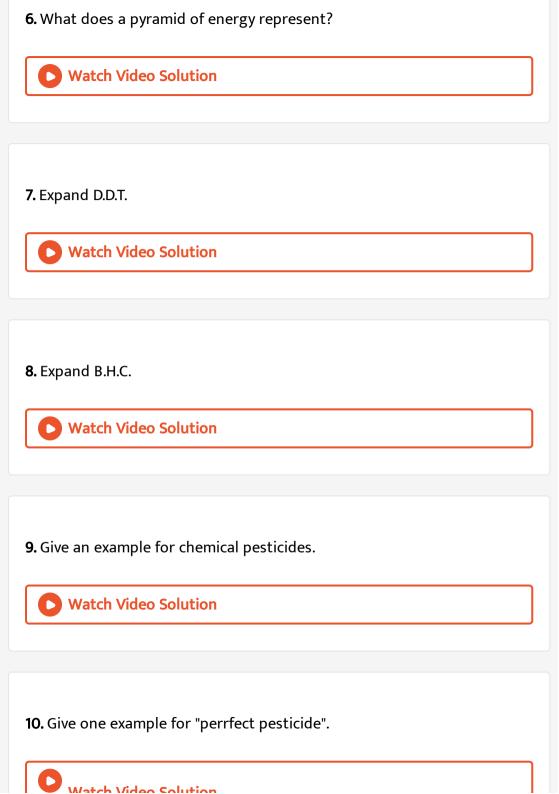


Preparation Questions For The Examination Purpose

1. A farmer introdued garden lizards into his agricultural fields to eradicate insects. What do you name this method?



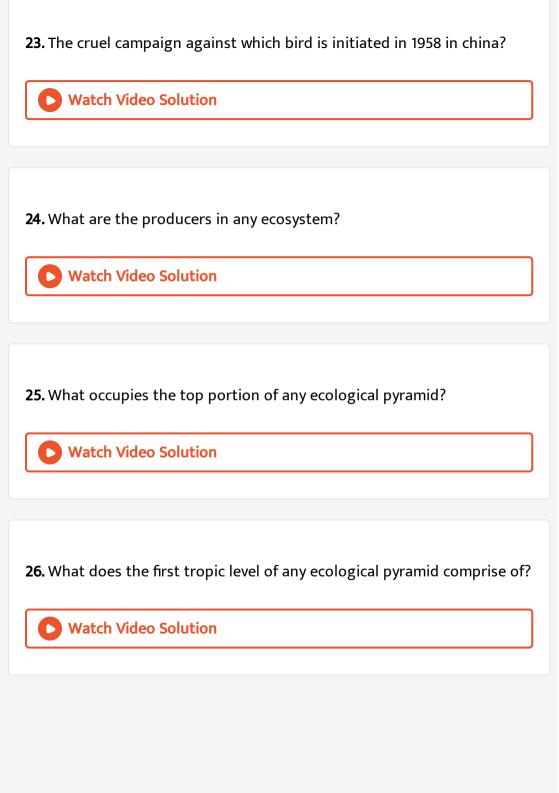
Watch video solution
2. Give one example for primarry consumer in a grassland ecosystem.
Watch Video Solution
3. What does the pyramid of number represent?
Watch Video Solution
4. Who introduced 'Ecological pyramids'?
Watch Video Solution
5. What does the pyramid of biomass represent?
Watch Video Solution

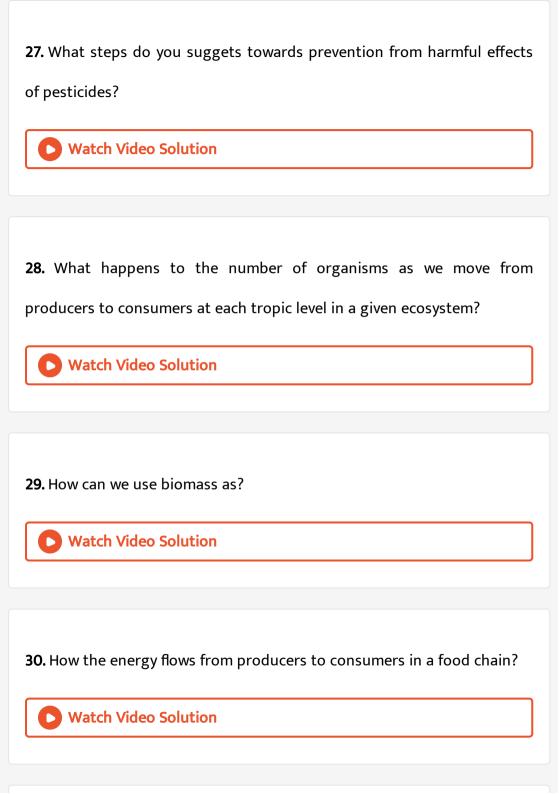


Watch video Solution
11. What do you call the tendency of pollutants to concentrate as they
more from one tropic level to next tropic level?
more from one tropic level to flext tropic level.
Watch Video Solution
12. name 'the process of entering of pollutants in a food chain'.
Watch Video Solution
13. What do you call the substance meant for preventing, destroying or
mitigating any pest?
Watch Video Solution
14. The functional role of an of organism in a community is called as?
• William Club
Watch Video Solution

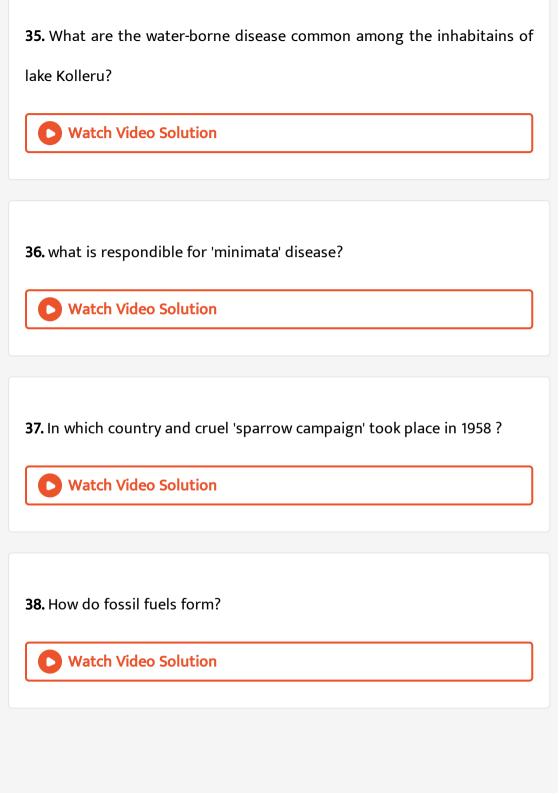
15. The elaborate interconnected feeding relationships in an ecosystem is called **Watch Video Solution** 16. Name the pathway along which food is transferred from tropic level to tropic level beginning with producers. **Watch Video Solution** 17. What occupies the base of any ecological pyramid? **Watch Video Solution** 18. Any food chain in an ecosystem starts from? Watch Video Solution

19. What is the source of energy for all ecosystems? Watch Video Solution
20. Guess the reason for the growth of mosquito population.
Watch Video Solution
21. Which ecological pyramid in an aquatic ecosystem is inverted?
Watch Video Solution
22. Name the disease that occurs due to increase of fluorine contents in
drinking water.
Watch Video Solution

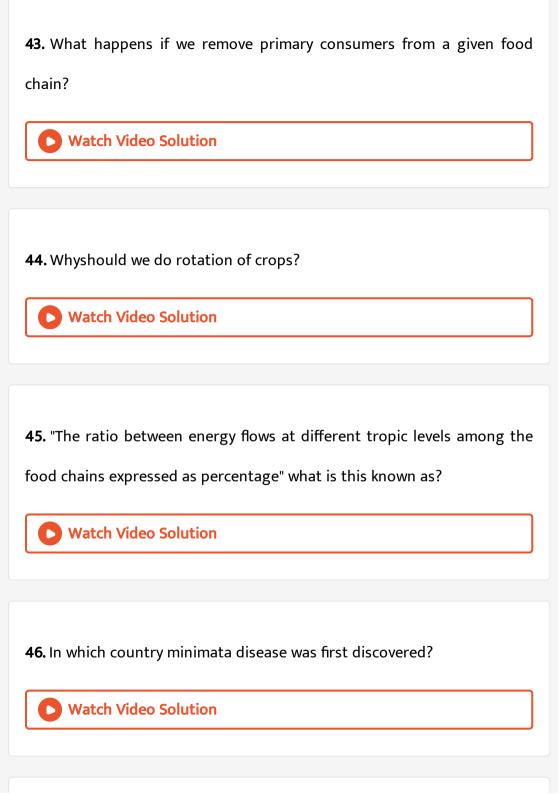


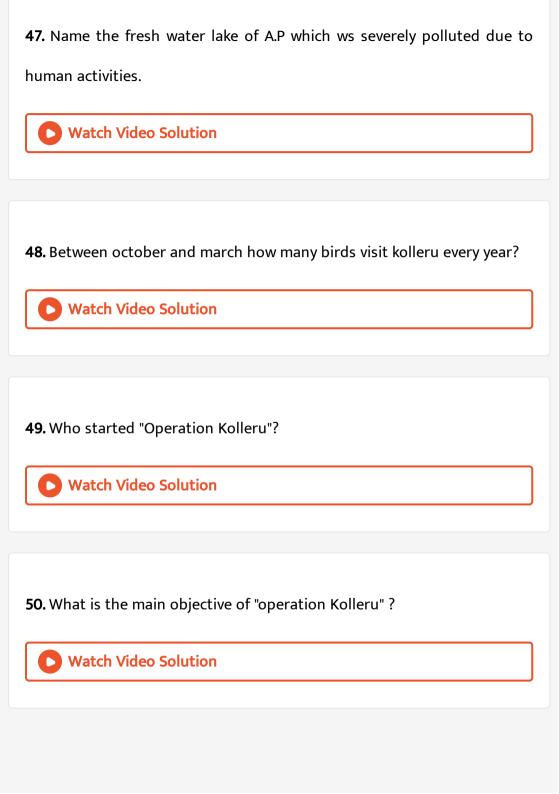


31. Name the plant substnace that is not digested in human beings.
Watch Video Solution
32. Name the animal substances that are not digested by most animals.
Watch Video Solution
33. When did government of india declared the Kolleru lake as Bird
sanctuary?
▶ Watch Video Solution
34. What is reason for the excessive growth of algal blooms and aquatic
wweeds in lake kolleru?
Watch Video Solution



39. What are the abiotic factors of ecosystem?
Watch Video Solution
40. Name the metal which was bioaccumulated in liver, gills and kidney of
fish in Edulabad water reservoir in adilabad district.
Watch Video Solution
41. What is the name of the aquatic weed that grown in lake kolleru in a
great extent?
Watch Video Solution
Watch video solution
42. What percent of energy loss can be observed at each tropic level?
Watch Video Solution
Water video Soldtion





51. Suggest one alternative method in place of pesticides to protect crops ? **Watch Video Solution** 52. By taking two plants of your surroundings as examples, explain how they protect themselves against the animals which eat them. **Watch Video Solution 53.** What happens if decomposers are removed from the foodweb? **Watch Video Solution 54.** Observe the following gives below. Draw the pyramid of numbers. $\mathsf{Grass} \to \mathsf{Goat} \to \mathsf{Man}$ **Watch Video Solution**

55. We can't expect the world without sparrows. So how should be our concern towards their conservation?



56. Identify one food chain from your surroundings. Name the producers and different levels of consumers in that food chain.



57. Identify one food chain from your surroundings. Name the producers and different levels of consumers in that food chain.



58. Human being is modifying agriculture lands and lakes into residential areas. What is its effect on Bio-diversity?



Watch Video Solution

59. 📝

The figure given below represents a food pyramid. Study it and answer the following questions.

- (i) Which trophic level has maximum energy?
- (ii) Give one example for T_4 trophic level.

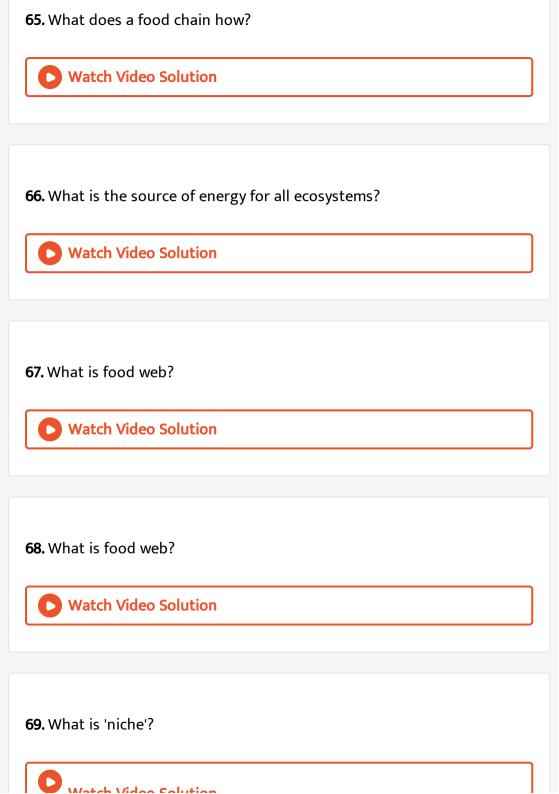


60. "We can't imagine the world without insects and birds. " Suggest two methods to conserve them.

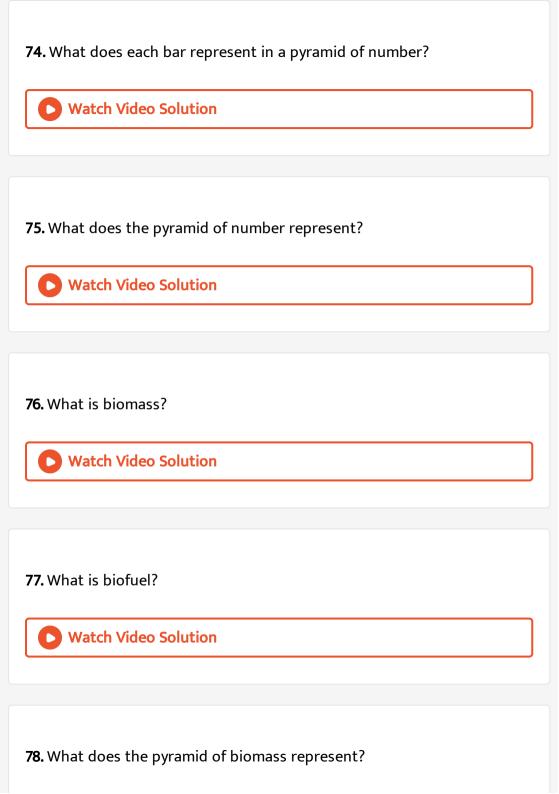


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61. Write any two slogans to promote awareness among the people about
Ecofriendly programs.
Watch Video Solution
62. How do you protect the plants, which were planted in "Haritha
Haaram" programme in your school?
Watch Video Solution
63. What is biosphere?
Watch Video Solution
64. What determine the terrestiral ecosystems?
Watch Video Solution



watch video solution
70. What is 'niche'?
Watch Video Solution
71. What is an ecological pyramid?
Watch Video Solution
72. What is a pyramid of numbers? Write a brief note on the pyramid of
numbers with the heplp of a block diagram.
Watch Video Solution
73. What does the pyramid of number represent?
Watch Video Solution





79. shravya said to Abhijith - "The pyramid of biomass is an aquatic ecosystem is always inverted". Do you support this statement of Shravya? Why or Why not?

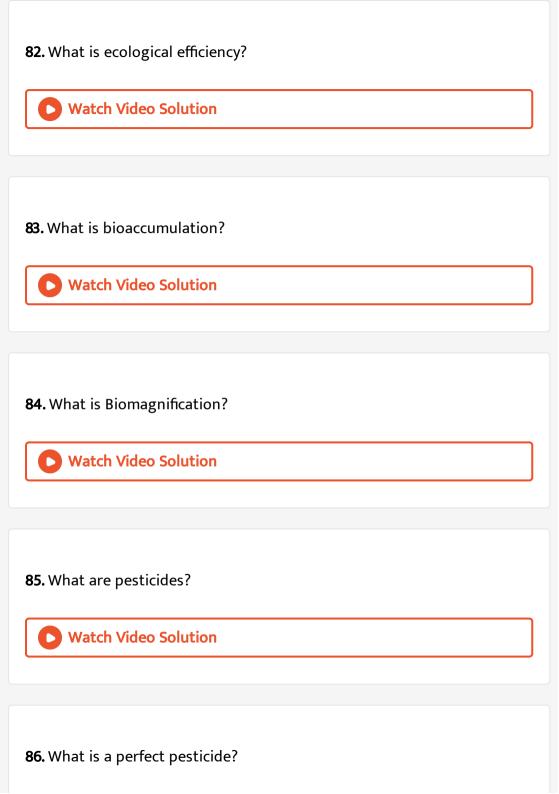


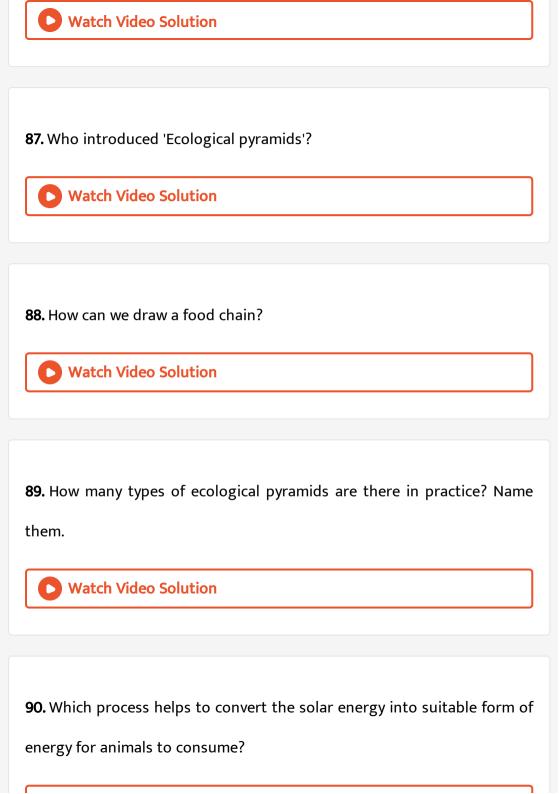
80. How much percentage of the biomass is transferred from one tropic level to the next in a food chain?



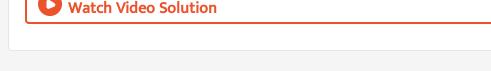
81. When does the species at the top of the pyramid get more energy?







Watch Video Solution
91. What limits the number of trophic levels in a fooc chiain? Watch Video Solution
92. State one reason to justify the position of man at the apex of most
food chains. Watch Video Solution
93. Which food chains are advantageous in terms of energy? Watch Video Solution
94. Construct a food chain composing the following : Snake, Hawk, Rats,
Plants.



95. Which of the following will have the maximum concentration of harmful chemicals in its body?

Peacock, Frog, Grass, Snake, Grasshopper.



96. Prepare two slogans to consere water.



97. Were the sparrows really responsible? What was the reason for the fall in crop production?



98. Explain the flow chart given below. **View Text Solution** 99. Observe the pyramid of number which is given below and answer the questions. (i) As pwer the number of organisms in the trophic level, which grou of organisms are more in number and which are less in number? (ii) What happens if secondary consumers disappear?

100. Explain in brief about the alternate methods to be followed to prevent the harmful effects of over usage of pesticides.

(OR)

View Text Solution

Mention any four effective methods of controlling pests, which are less harmful on environment based on biological principles.



101. Grass o Grasshopper o From o Snake o Hawk.

What will happen if we remove from from the above food chian? Explain.



102. Observe the diagram and answerr the following.

- (i) Wriite any two food chains from the diagram.
- (ii) What are the secondary consumes in the food chain that are written

by you?





103. Write any 4 slogans on the necessity of forests and on their conservation.



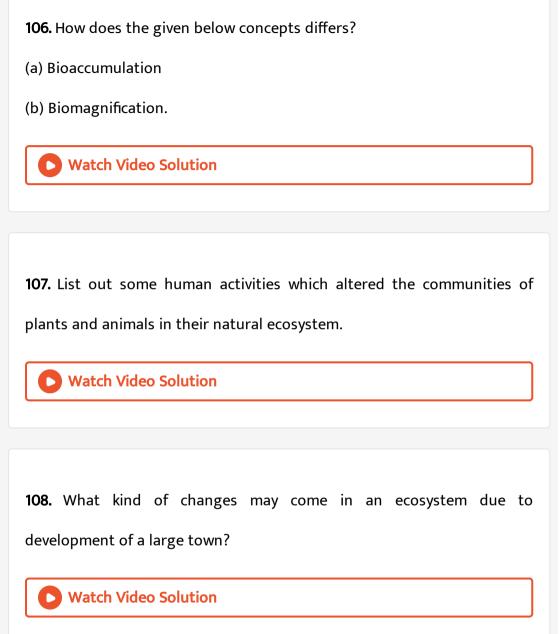
104. How does the given below concepts differs?

- (a) Bioaccumulation
- (b) Biomagnification.



105. The biomass of a producers in an ecosystem is calculated as 3500 kgs. Calculate the biomass of primary, secondary, tertiary consumers.





109. Write a comparative note on pyramid of number and pyramid of biomass.



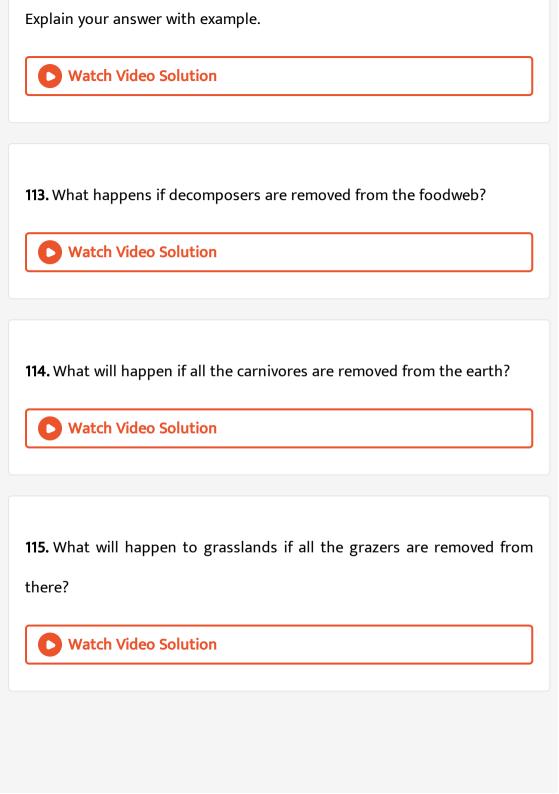
110. Write a comparative note on pyramid of biomass and pyramid of energy.



111. Write a comparative note on pyramid of number and pyramid of energy.



112. Geetha said "a given species may occupy more than one tropic level in the same ecosystem at the same time". Do you support her or not?



116. The number of malarial patients in a village increases tremendously, when a large number of frogs were exported from the village. What could be the cause for it? Explain with help of a food chain.



117. If all the waste we generate is biodegradable, what impact may this have on the environement?



118. What are decomposers and what is the importance of the in the ecosystem?



Watch Video Solution

119. How sparrows are really helpful to farmers in china?



120. Why anti sparrow army established in 1958 at china?



Watch Video Solution

121. Observe the following pyramid of biomass and answer the following questions.

This pyramid shows a decreasein the biomass as we move up, why the biomass is decreasing?





122. Observe the following diagram and answer the following question.



(i) name the primary producers in the given food web.

(ii) Prepare any one food-chain from the diagram.
(iii) What are the tertiary consumers?
View Text Solution
123. Prepare some slogans about 'vanam-manam' programme to display in
your school rally.
Watch Video Solution
124. Read the information about Kolleru lake in the given table and
answer the following questions:

(a) in which year, lake water spread area is more?

(b) Why do you think weeds are more in the lake?

(c) Guess the reasons for decrease in the lake area.

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126. Why do the number of organisms get decreased as we move from producer to different level of consumes? Watch Video Solution 127. Write a short note on food chain and food web. Watch Video Solution	125. What does the pyramid of number represent?
producer to different level of consumes? Watch Video Solution 127. Write a short note on food chain and food web. Watch Video Solution	Watch Video Solution
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Watch Video Solution	Watch Video Solution
Watch Video Solution	
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128. What is an ecological pyramid?	Watch Video Solution
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128. What is an ecological pyramid?	
	128. What is an ecological pyramid?
Watch Video Solution	Watch Video Solution

129. Which pyramid is always upright? Why? Watch Video Solution **130.** How did antisparrow army eradicated sparrows? Is it right decision? **Watch Video Solution** 131. What is biological magnification? Will the levels of this magnification be different at different levels of the ecosystem? **Watch Video Solution** 132. Will the impact of removing all the organisms in a trophic level be different from different trophic levels? Can the organisms of any trophic level be removed without causing any damage to the ecosystem? **Watch Video Solution**

133. Draw the diagram of number pyramid keeping foxes as third consumers. What are the consequences if their number increases ?





134. Show food chain different organisms, number of pyramid of your school.



135. Draw a flow chart to describe the process of bioaccumulation and bio magnification of toxic pesticides in the body of eagles.



136. Draw the ecolgoical pyramids for the given food chain.

Banyan \rightarrow Herbivorous birds \rightarrow Carnivorous birds.



137. In a grassland ecosystem, some students are trying to kill the grasshoppers for fun. You did't like this. How do you convince your friends not to do so?



138. Write what friendly ecosystem activities you will conduct in you school.



Watch Video Solution

139. If we introduce a man into a forest ecosystem, at which level of food chain we will place him? Explain your answer.



140. "All the energy in the ecosystem in ultimately derived from sunlight." Justify.



Exercise

1. What happens to the amount of energy transferred from one step to the next in a food chain?



2. What do pyramids and food chain indicate in an ecosystem? Watch Video Solution 3. Write a short note on pyramid of number for any food chain. What can we conclude from this pyramid of numbers? (i) tree (ii) insect (iii) woodpecker **Watch Video Solution** 4. Write a short note on pyramid of number for any food chain. What can we conclude from this pyramid of numbers? (i) tree (ii) insect (iii) woodpecker

5. Write a short note on pyramid of number for any food chain. What can we conclude from this pyramid of numbers? (i) tree (ii) insect (iii) woodpecker **Watch Video Solution** 6. How is using of toxic material affecting the ecosystem? Write a short note on bioaccumulation and biomagnifications. **Watch Video Solution** 7. How is using of toxic material affecting the ecosystem? Write a short note on bioaccumulation and biomagnifications. **Watch Video Solution**

8. Should we use pesticides as they prevent our crop and food from pests or we should think of alternatives? Write your view about this issue and give sound reason for your answer.



Watch Video Solution

9. Should we use pesticides as they prevent our crop and food from pests or we should think of alternatives? Write your view about this issue and give sound reason for your answer.



Watch Video Solution

10. Should we use pesticides as they prevent our crop and food from pests or we should think of alternatives? Write your view about this issue and give sound reason for your answer.



Watch Video Solution

11. What is a trophic level? What does it represent in an ecological pyramid?

Watch Video Solution

12. What is a trophic level? What does it represent in an ecological pyramid?



13. If you want to know more about flow of energy in an ecosystemm, what questions do you ask?



14. What will happen if we remove predators from food web?



15. Observe a plant in your kitchen garden,a nd write a note on producer-consumer relationship.



Watch Video Solution

16. What is blomass? Draw a pyramid of biomass for the givenn food chain- (i) grass, leaves

- (ii) herbivores
- (iii) predators
- (iv) hawk.

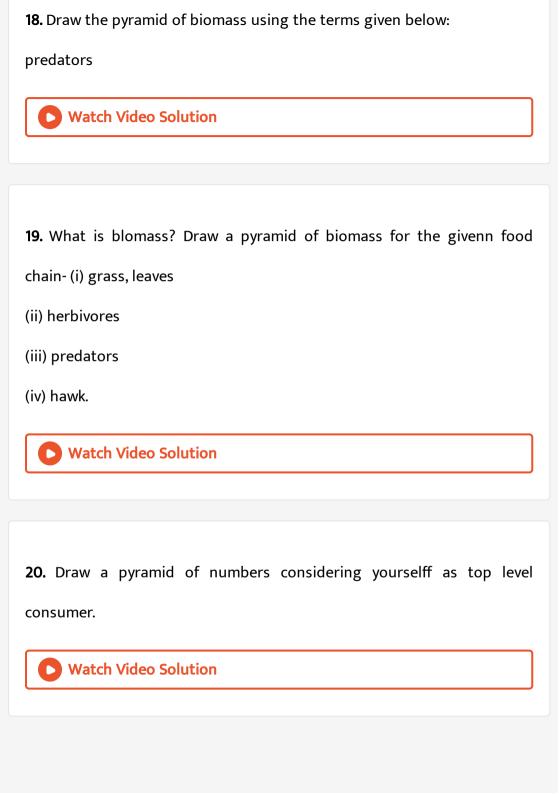


Watch Video Solution

17. What does the pyramid of biomass represent?



Watch Video Solution



21. Write any two slogans to promote awareness among the people about Ecofriendly programs.



Watch Video Solution

22. Suggest any three programmes for prevention off soil pollution in view of avoiding pesticides.

In your area, soil is polluted by the enormous usage of pesticides.

Suggest any two programmes for prevention of soil pollution.



Watch Video Solution

23. What does a food chain always start with?

A. The herbivore

B. The carnivore

C. The producer

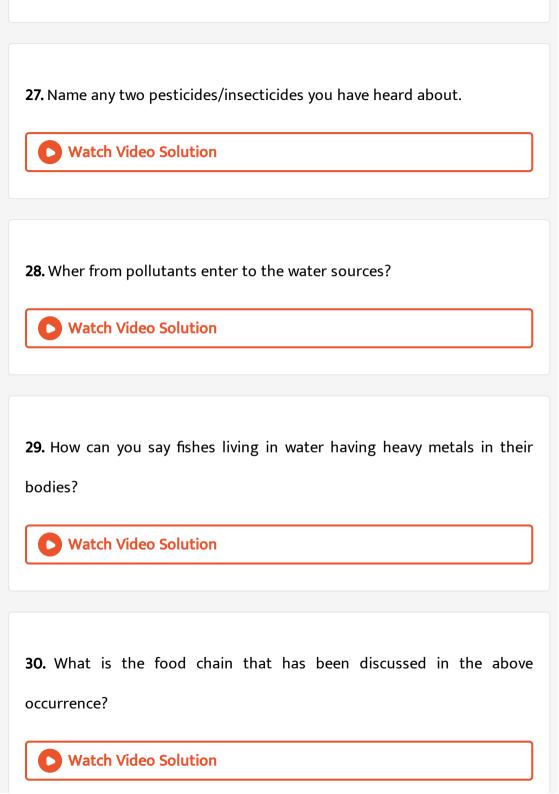
D. None of these
Answer:
Watch Video Solution
24. Which of the following do paints not compete for?
A. Water
B. Food
C. Space
D. All above
Answer:
Watch Video Solution
25 Ran al nesticides this means that
25. Ban al pesticides, this means that

- A. Control on usage of pesticides B. Prevention of pesticides C. Promote ecofriendly agricultural practices D. Stop biochemical factories **Answer: Watch Video Solution** 26. According to charles eiton A. Carnivores at the top of the pyramid

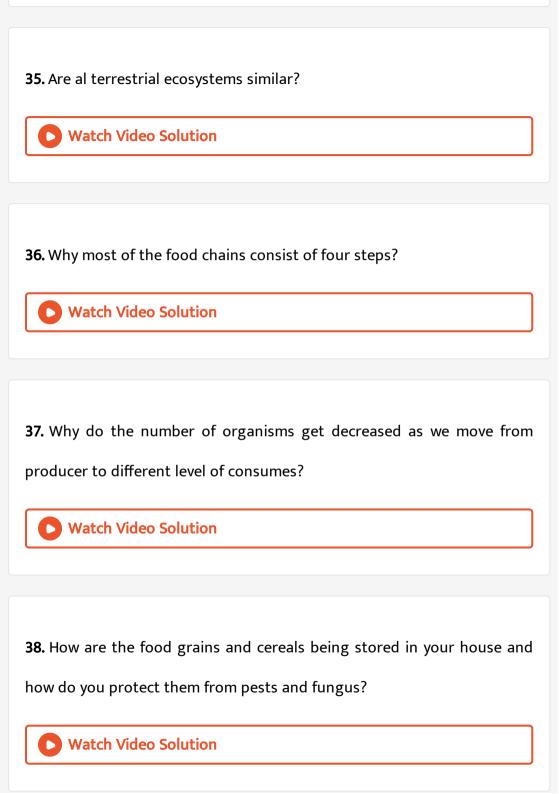
- B. Energy trapping is high at the top of the pyramid
- C. No producers at the top of the pyramid
- D. A and C

Answer:





31. How did these disturbances affect the environment?
Watch Video Solution
32. Is it right to eradicate a living organism in an ecosystem? How is it harmful?
Watch Video Solution
33. Were the sparrows really responsible? What was the reason for the fall in crop production?
Watch Video Solution
34. What was the impact of human activities on the environment?
Watch Video Solution



39. Researchers found that pollution levels increse during monsoon season. Why they found so? **Watch Video Solution** 40. Why did people also suffer from various disease after consuming fishes living in local water reservoir? **Watch Video Solution 41.** How did the campaign disturb the food chain in the field? **Watch Video Solution** 42. What do you suggest to stop/avoid the disturb the food chain in the field? **Watch Video Solution**

43. Fill in the blanks.

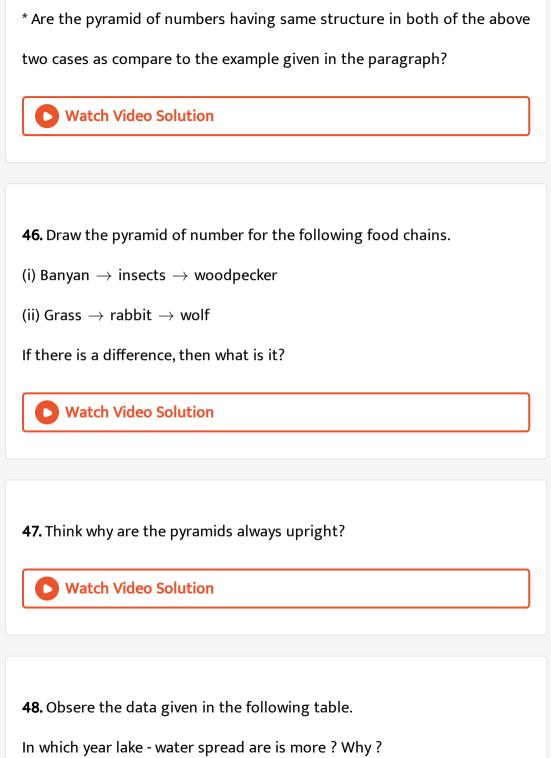
Sparrow campaign was happened in () in the year (2)



- **44.** If we want to show a food chain consisting of grass, rabbit, snake and hawk then connect the given picture in textbook of organisms by putting arrows and make a food chain.
- (A). Name the producers and consumers in the above food chain.
- (B) Try to guess what the arrows marked by you are indicating.
- (C) Identify atleast four other food chains from your surroundings.



- **45.** Draw the pyramid of number for the following food chains.
- (i) Banyan ightarrow insects ightarrow woodpecker
- (ii) Grass ightarrow rabbit ightarrow wolf



Classes	Area in 1967 (Km²)	Area in 2004 (Km²)
Lake – water spread area	70.70	62.65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Settlements	0.31	1.37
Total	. 180.38	243.03



Watch Video Solution

49. Obsere the data given in the following table.

How do you think weeds are more in the lake?

Classes	Area in 1967 (Km²)	Area in 2004 (Km ²)
Lake – water spread area	70.70	62.65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Settlements	0.31	1.37
Total	. 180.38	243.03



Watch Video Solution

50. Read the table and answer the following questions.

What are the reasons for decrease in lake area?

Causes	Area in 1967	Area in 2004
Lake-water spread area	70.70	62,65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Enchrochment	0.31	1.37
Total	180.38	180.38



Watch Video Solution

51. Read the table and answer the following questions.

How do the above reasons lead to pollution?

Causes	Area in 1967	Area in 2004
Lake-water spread area	70.70	62,65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Enchrochment	0.31	1.37
Total	180.38	180.38



Watch Video Solution

52. Obsere the data given in the following table.

What could be the reasons for the migration of birds to this lake?

Classes	Area in 1967 (Km²)	Area in 2004 (Km ²)
Lake - water spread area	70.70	62.65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Settlements	0.31	1.37
Total	. 180.38	243.03



53. Obsere the data given in the following table.

How was the threat to the lake due to pollution discovered?

Classes	Area in 1967 (Km²)	Area in 2004 (Km ²)
Lake - water spread area	70.70	62.65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Settlements	0.31	1.37
Total	. 180.38	243.03



54. Read the table and answer the following questions.

What are the factors that affected the number of migratory birds to

decrease?

Problem practices	Agricultural practices	Aquacultural practices	Industrial activities	Humans
Biological				
1. Decreased Migratory birds	-	+	-	-
2. Population loss of floura and fauna	-	+	-	-
3. Pathogens	-	- !	-	+
Chemical	1			
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+



Watch Video Solution

55. Read the table and answer the following questions.

Do you find any relationship between biological and physical problems?

Problem practices	Agricultural practices	Aquacultural practices	Industrial activities	Humans
Biological	200000000000000000000000000000000000000			
1. Decreased Migratory birds	-	+	-	-
2. Population loss of floura and fauna	-	+	-	-
3. Pathogens	-	- !	-	+
Chemical	1			
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+

56. Read the table and answer the following questions.

What are the reasons for chemical problems?

Problem practices	Agricultural	Aquacultural	Industrial	Humans
	practices	practices	activities	
Biological				
 Decreased Migratory birds 	-	+	-	-
2. Population loss of floura and fauna	-	+	-	-
3. Pathogens	-	-	-	+
Chemical	1			
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+



57. Observe the following table showing different activities in the lake and thier influence.

What happens if he dissolved oxygen reduced in lake water?

(4 Marks)

Problem	Agricultural practices	Aquaculture practices	Industrial activities	Human activities
Biological				
1. Decreased				
Migratory birds	-	+	-	-
2. Population loss of	-	+	-	-
flora and fauna				
3. Pathogens	-	-	-	+
Chemical				
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+

Legend: (+) means has influence on the mentioned problem.

(-) means has no influence on the mentioned problem.



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58. Observe the following table showing different activities in the lake and thier influence.

Is BOD of turbid and nutrient rich water high or low? what are it's

consequences?

(4 Marks)

Problem	Agricultural practices	Aquaculture practices	Industrial activities	Human activities
Biological				
1. Decreased				
Migratory birds	-	+	-	-
2. Population loss of	-	+	-	-
flora and fauna				
3. Pathogens	-	-	-	+
Chemical				
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+

Legend: (+) means has influence on the mentioned problem.

(-) means has no influence on the mentioned problem.



Watch Video Solution

59. Observe the following table showing different activities in the lake and thier influence.

People living in catchment area of Kolleru faced so many probles. Why?

(4 Marks) Industrial Agricultural Aquaculture Human Problem activities practices practices activities Biological. 1. Decreased Migratory birds 2. Population loss of flora and fauna 3. Pathogens Chemical 1. Eutrophication 2. Toxic contamination Physical Siltation

Legend: (+) means has influence on the mentioned problem.

(-) means has no influence on the mentioned problem.



2. Flooding

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60. Obsere the data given in the following table.

What could be the reasons for the migration of birds to this lake?

Classes	Area in 1967 (Km²)	Area in 2004 (Km ²)
Lake - water spread area	70.70	62.65
Lake with sparse weed	0	47.45
Lake with dense weed	0	15.20
Lake-liable to flood in rainy season	100.97	0
Aquaculture ponds	0	99.74
Rice fields	8.40	16.62
Settlements	0.31	1.37
Total . *	. 180.38	243.03



61. What happens if decomposers are removed from the foodweb?

Watch Video Solution

62. Observe the following given below. Draw the pyramid of numbers.





63. We can't expect the world without sparrows. So how should be our concern towards their conservation?



64. Human being is modifying agriculture lands and lakes into residential areas. What is its effect on Bio-diversity?



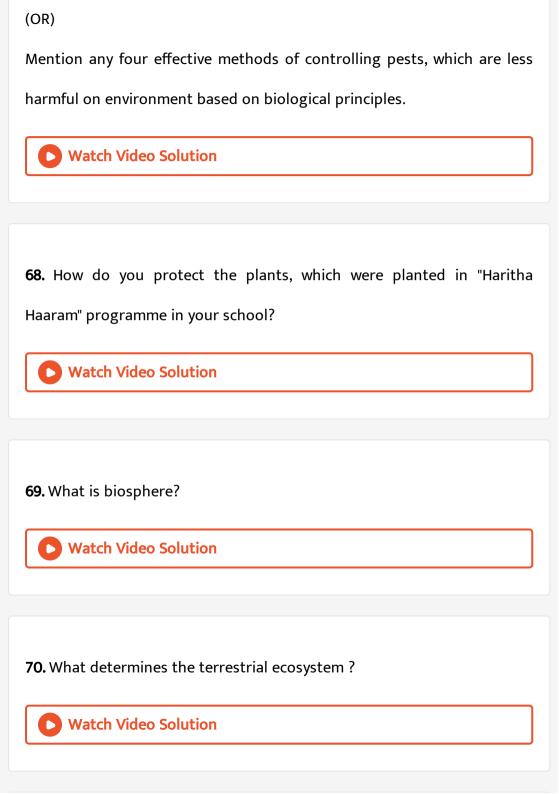
65. "We can't imagine the world without insects and birds. " Suggest two methods to conserve them.



66. How do you protect the plants, which were planted in "Haritha Haaram" programme in your school?



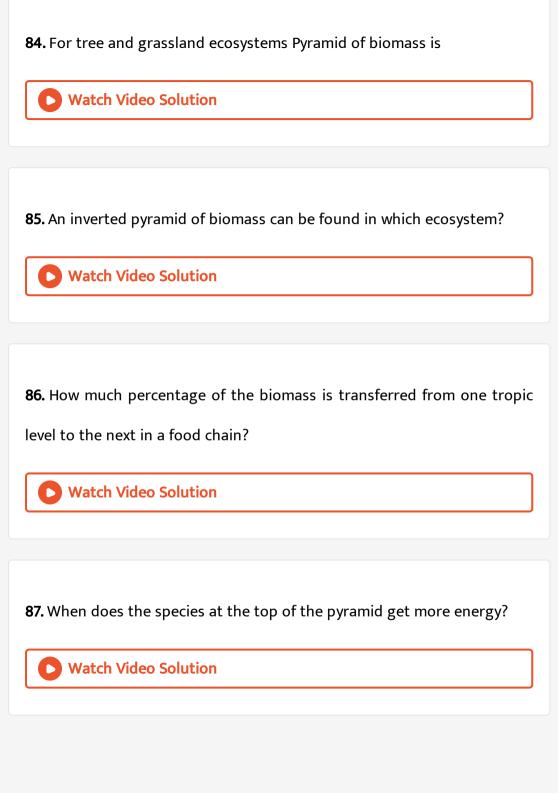
67. Explain in brief about the alternate methods to be followed to prevent the harmful effects of over usage of pesticides.

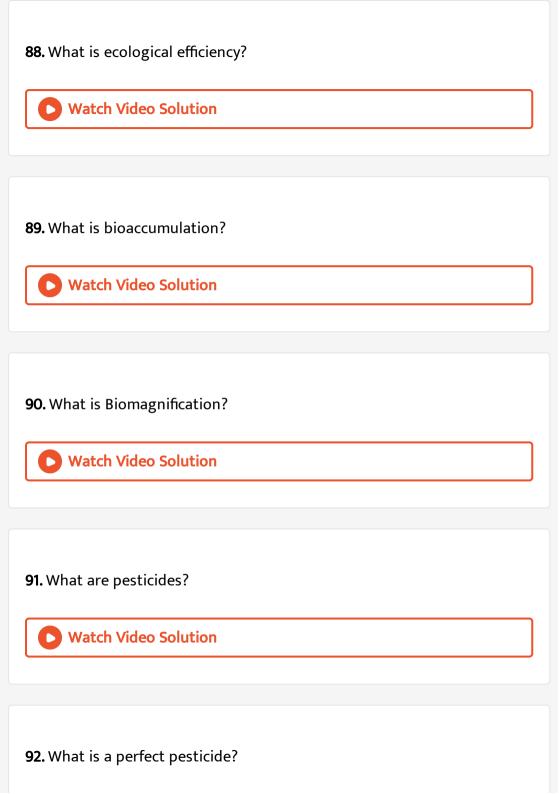


71. What does a food chain how?
Watch Video Solution
72. What is the source of energy for all ecosystems?
Watch Video Solution
73. What is food web?
Watch Video Solution
74. What is food web?
Watch Video Solution
75. What is 'niche'?

Watch Video Solution			
76. What does the word 'niche' denote ?			
Watch Video Solution			
77. What is an ecological pyramid?			
Watch Video Solution			
78. What is a pyramid of numbers? Write a brief note on the pyramid of numbers with the heplp of a block diagram.			
Watch Video Solution			
79. What does the pyramid of number represent?			
Watch Video Solution			

80. What does each bar represent in a pyramid of number? Watch Video Solution
Water video soldtion
81. Why does pyramid of numbers sometimes does not look like a pyramid at all ?
Watch Video Solution
82. What is biomass?
Watch Video Solution
83. What is biofuel?
Watch Video Solution





Watch Video Solution
93. Who introduced 'Ecological pyramids'?
Watch Video Solution
94. How can we draw a food chain?
Watch Video Solution
95. How many types of ecological pyramids are there in practice? Name them.
Watch Video Solution
96. Which process helps to convert the solar energy into suitable form of energy for animals to consume?

Watch Video Solution
97. What limits the number of trophic levels in a fooc chiain?
Watch Video Solution
98. State one reason to justify the position of man at the apex of most
food chains.
Watch Video Solution
99. Which food chains are advantageous in terms of energy?
Watch Video Solution
100. Construct a food chain composing the following : Snake, Hawk, Rats,
Plants.



101. Which of the following will have the maximum concentration of harmful chemicals in its body?

Peacock, Frog, Grass, Snake, Grasshopper.



102. Prepare two slogans to consere water.



103. By taking two plants of your surroundings as examples, explain how they protect themselves against the animals which eat them.



104. Write any 4 slogans on the necessity of forests and on their conservation.



105. How does the given below concepts differs?

- (a) Bioaccumulation
- (b) Biomagnification.



106. How does the given below concepts differs?

- (a) Bioaccumulation
- (b) Biomagnification.



107. The biomass of a producers in an ecosystem is calculated as 3500 kgs. Calculate the biomass of primary, secondary, tertiary consumers.



108. The organisms which are not represented in ecological pyramids are



109. Draw a flow chart to describe the process of bioaccumulation and bio magnification of toxic pesticides in the body of eagles.



110. List out some human activities which altered the communities of plants and animals in their natural ecosystem.



111. What kind of changes may come in an ecosystem due to development of a large town?



112. Write a comparative note on pyramid of number and pyramid of biomass.



113. Write a comparative note on pyramid of biomass and pyramid of energy.



114. Write a comparative note on pyramid of number and pyramid of energy.



115. Geetha said "a given species may occupy more than one tropic level in the same ecosystem at the same time". Do you support her or not? Explain your answer with example.



116. What happens if decomposers are removed from the foodweb?



117. What will happen if all the carnivores are removed from the earth?



118. What will happen to grasslands if all the grazers are removed from there?



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119. The number of malarial patients in a village increases tremendously, when a large number of frogs were exported from the village. What could be the cause for it? Explain with help of a food chain.



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120. If all the waste we generate is biodegradable, what impact may this have on the environement?



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121. What are decomposers and what is the importance of the in the ecosystem?

122. List out some human activities which altered the communities of plants and animals in their natural ecosystem.



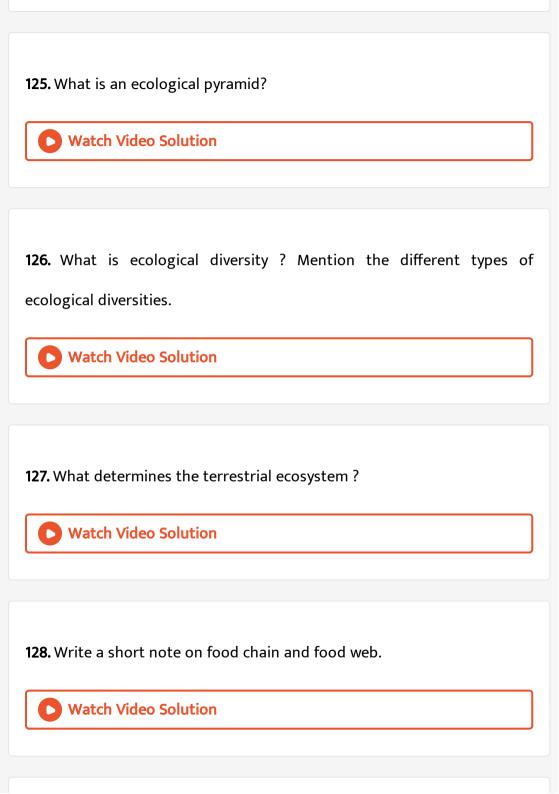
Watch Video Solution

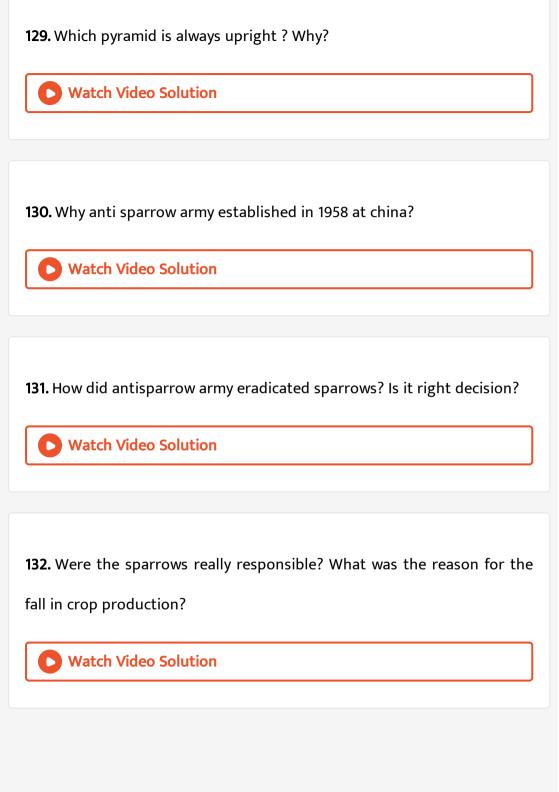
123. What is number pyramid? What does it indicate?



124. Many pollutantts are released into water from an industrial area. If residue appears in living organisms of a food chain, then it is called.







133. Explain in brief about the alternate methods to be followed to prevent the harmful effects of over usage of pesticides.

(OR)

Mention any four effective methods of controlling pests, which are less harmful on environment based on biological principles.



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134. Microbes can be used to decrease the use of chemical fertilisers and pesticides. Explain how this can be accomplished.



Watch Video Solution

135. In a grassland ecosystem, some students are trying to kill the grasshoppers for fun. You did't like this. How do you convince your friends not to do so?



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136. Write what friendly ecosystem activities you will conduct in you school.

Watch Video Solution

137. If we introduce a man into a forest ecosystem, at which level of food chain we will place him? Explain your answer.



138. "All the energy in the ecosystem in ultimately derived from sunlight." Justify.



139. How sparrows are really helpful to farmers in china?



140. Complete the blanks.

The entering of pollutants in a food chain is called ____(1). The tendency of polluntants to concentrate as they move from one trophic level to another is called (2).

- A. Bioaccumulation
- ${\bf B.\ Biomagnification}$
- C. Biomass
- D. Biodegradation

Answer:



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141. Among the following pairs, in which one from first species to second species decrease in radius is maximum

A. Plant - Producer.
B. Rabbit - Primary consumer
C. Lion-carnivore
D. Giraffe - Secondary consumer,
Answer:
Watch Video Solution
142. The continent without forests
A. Arctic
B. Asia
C. Australia
D. Antarctic
Answer:
Watch Video Solution

143. The correct sequence of a food chain.

- (A) Plant o ggrasshopper o Frog o Snake o Hawk.
- (B) Plant o Frog o Grasshopper o Hawk o snake.
- (C) Plant o Hawk o Snake o Frog o Grasshopper
- (D) Plant o Snake o Frog o Hawk o Grasshopper.
 - A. Plants $\;
 ightarrow\;$ Grasshopper $\;
 ightarrow\;$ Frog $\;
 ightarrow\;$ Snake $\;
 ightarrow\;$ Hawk
 - B. Plant $\, o\,$ Frong $\, o\,$ Grasshopper $\, o\,$ Hawk $\, o\,$ Snake
 - C. Plant ightarrow Hawk ightarrow Snake ightarrow Frog ightarrow Grasshopper
 - D. Plant ightarrow Snake ightarrow Frog ightarrow Hawk ightarrow Grasshopper

Answer:



Watch Video Solution

144. Identify the correct one from the following food chains.

A. Eagle $\, o\,$ Rat $\, o\,$ Snake $\, o\,$ Grains

B. Grains $\,
ightarrow\,$ Rat $\,
ightarrow\,$ Snake $\,
ightarrow\,$ Eagle

C. Grains $\, o \,$ Eagle $\, o \,$ Rat $\, o \,$ Snake

D. Rat \rightarrow Snake \rightarrow Grains \rightarrow Eagle

Answer:



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145. The region of Biosphere reserve which is legally protected and where no human activity is allowed is known as:

A. Biosphere

B. Ecosystem

C. Food chain

D. Food web

Answer:

0	Watch Video Solution	
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- A. Rainfall
- B. Temperature
- C. Light from sun
- D. All the above

Answer:



147. The arrows between each item in a food chain always point from

- A. Feeder to food
- B. Food to feeder
- C. Animals to animals

D. Carnivores to herbivores
Answer:
Watch Video Solution
148. "Niche" denotes
A. Animal position in food chain
B. What It eats
C. Its mode of life
D. All the above
Answer:
Watch Video Solution

149. Special position within the food web, in which animals fit in is described as its

A. Tropic level

B. Eco level

C. Niche

D. None of the above

Answer:



150. The concept of ecological pyramid was first introduced by

A. Charles Elton

B. Slobodkin

C. Lindeman

D. Steele

Answer:



151. What does the first tropic level of any ecological pyramid comprise of?

- A. Producers
- **B.** Primary consumers
- C. Secondary consumers
- D. Tertiary consumers

Answer:



Watch Video Solution

152. I am an ecological pyramid. I show the population of organisms at each trophic level in a food chain. Who am I?

A. Pyramid of biomass B. Pyramid of number C. Pyramid of Egypt D. Pyramid of energy **Answer: Watch Video Solution** 153. Why does pyramid of numbers sometimes does not look like a pyramid at all? A. The producer is a large plant B. One of the organism at any tropic level is very small C. In the parasitic food chain D. All the above Answer:

154	Read	the	follow	ing s	tatemen	its and	select	the	correct	ontion.
124.	Reau	uie	TOHOW	IIIK 2	tatemer	its allu	Select	uie	correct	option:

- (a) In an aquatic ecosystem, pyramid of biomass is inverted.
- (b)Biomass depends upon reproductive potential and longevity of individuals.
 - A. Upright
 - B. Inverted
 - C. Partly inverted
 - D. None of the above

Answer:



Watch Video Solution

155. How much percentage of the biomass is transferred from one tropic

level to the next in a food chain?

A. 40-50
B. 80-90
C. 44105
D. 30-40
Answer:
Watch Video Solution
156. name 'the process of entering of pollutants in a food chain'.
A. Biomagnification
B. Bioinfection
C. Bioaccumulation
D. Biological control
Answer:
Watch Video Solution

157. What do you call the tendency of pollutants to concentrate as they more from one tropic level to next tropic level?

- A. Biomagnification
- B. Bioinfection
- C. Bioaccumulation
- D. Biological spread

Answer:



Watch Video Solution

158. Which of the followin is a secondary consumer in a grassland ecosystem?

- A. Grass
- B. Frog

C. Insect
D. Snake
Answer:
Watch Video Solution
159. The branch of biology that deals with the study of interactions
between organisms and their environment is termed
A. Cycling of materials
B. Mineral circulation
C. Biogeochemical cycles
D. All the above
Answer:
Watch Video Solution

160. Among the following pesticides which is less dangerous?
A. DDT
B. Aldrin
C. Dieldrin
D. Heptachlor
Answer:
Watch Video Solution
161. What steps do you suggets towards prevention from harmful effects of pesticides?
A. Ban all pesticides
B. Use pesticides with less chemicals
C. Sound biological principles
D. A and C

Watch Video Solution 162. Are al terrestrial ecosystems similar? A. Edaphic factors B. Climatic factors C. Environmerital factors D. All the above **Answer: Watch Video Solution** 163. This shows who eats what is in a particular habitat A. Food web

Answer:

C. Food chain
D. Ecosystem
Answer:
Watch Video Solution
164. In a food chain, the number of organisms at third trophic level is
A. Remains constant
B. Decreases
C. Increases
D. First increases later decreases
Answer:
Watch Video Solution

B. Eood pyramid

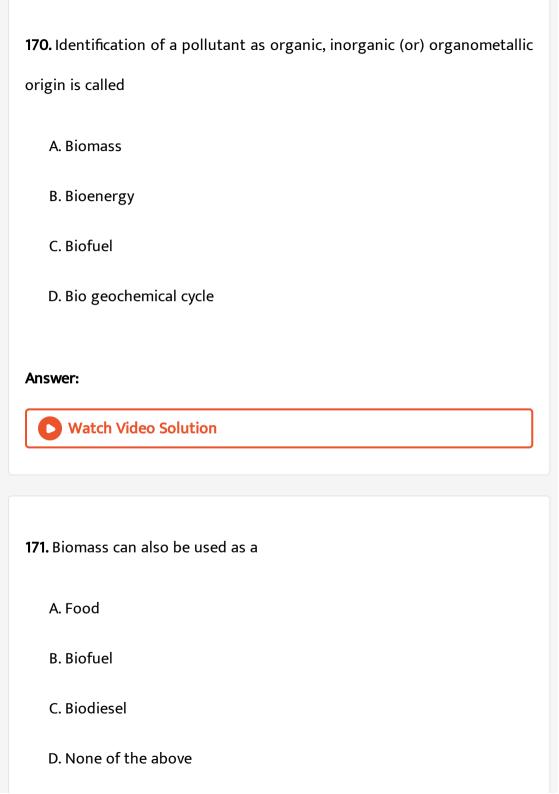
165. What is the source of energy for all ecosystems?
A. Sunlight, Moonlight
B. Bioluminiscence
C. Moonlight
D. Sunlight
Answer:
Watch Video Solution
166. The graphic representation of feeding level structure of an
166. The graphic representation of feeding level structure of an ecosystem btaking the shape of a pyramid is called
ecosystem btaking the shape of a pyramid is called
ecosystem btaking the shape of a pyramid is called A. Ecological pyramid

Watch Video Solution
167. In ecological pyramids, producers are represented here
A. The base
B. The tip
C. The middle
D. All over the pyramid
Answer:
Watch Video Solution
168. In ecological pyramids, producers are represented here
A. The base

Answer:

C. In the middle
D. All over the pyramid
Answer:
Watch Video Solution
169. In a food chain the largest population is that of
A. Shape
B. Size
C. Number
D. All the above
Answer:
Watch Video Solution

B. The tip



Answer: Watch Video Solution

172. This pyramid represents the available food as a source of energy at each tropical level in the food chain

- A. Pyramid of numbers
- B. Pyramid of biomass
- C. Pyramid of energy
- D. Pyramid of drymass!

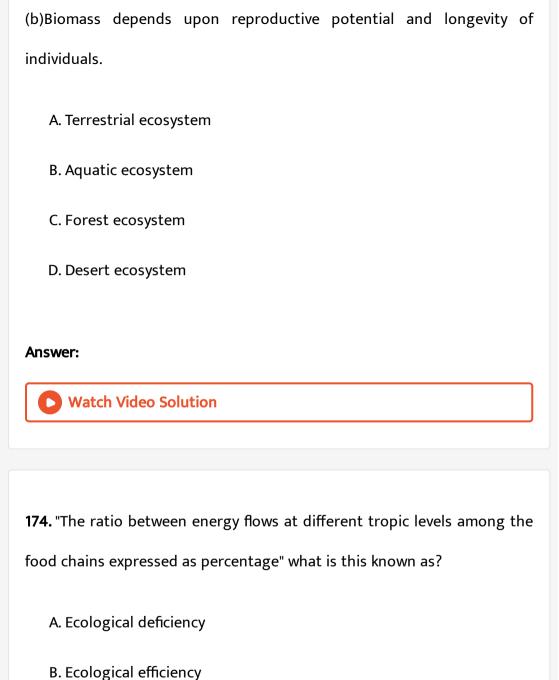
Answer:



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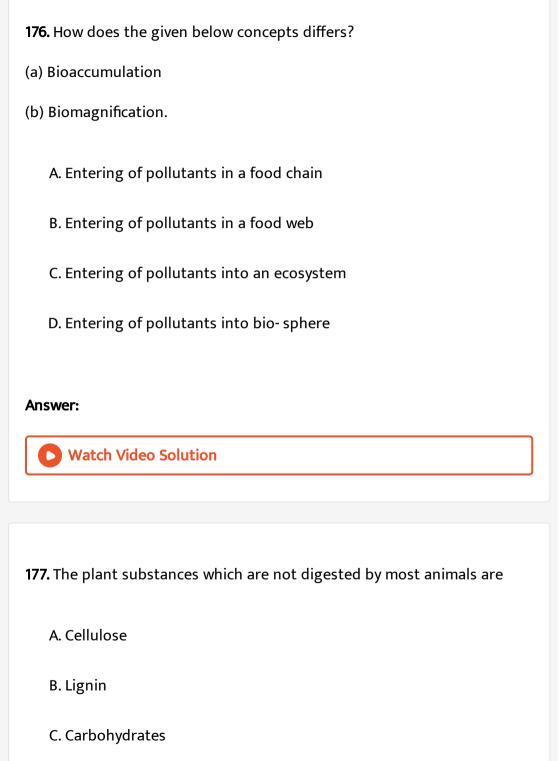
173. Read the following statements and select the correct option:

(a) In an aquatic ecosystem, pyramid of biomass is inverted.



C. Biological deficiency

D. Biological efficiency
Answer:
Watch Video Solution
175. How the energy flows from producers to consumers in a food chain?
A. Unidirectional
B. Bidirectional
C. Tridirectional
D. Multidirectional
Answer:
Watch Video Solution



Answer:
Watch Video Solution
178. Name the animal substances that are not digested by most animals.
A. Hair, feathere
B. Insect exoskeletons
C. Cartilage, bone
D. All the above
Answer:
Watch Video Solution

D. Cellulose, lignin

179. Space travellers use the following alga to fulfill their food requirements

- A. Performance of work
- B. Growth
- C. Reproduction
- D. All the above

Answer:



180. Most of the energy in gasoline is lost as in a cars engine rather than being transformed into the energy of motion

- A. Pressure
- B. Heat
- C. Water vapour

D. Temperature
Answer:
Watch Video Solution
181. The catchment area of the kolleru lake extend up to
A. 6121 km^2
B. 6211 km^2
C. $6237km^2$
D. 6312 km^2

182. When did government of india declared the Kolleru lake as Bird sanctuary?

A. In October, 1999

B. In November, 1999

C. In December, 1999

D. In September, 1999

Answer:



Watch Video Solution

183. Between october and march how many birds visit kolleru every year?

A. 15,00,000 birds

B. 35,00,000 birds

C. 20,00,000 birds

D. 25,00,000 birds

Answer: Watch Video Solution

184. The length of twisty channel upputeru which connects Kolleru lake with bay of Bengal

- A. 75 km
- B. 65 km
- C. 55 km
- D. 80 km

Answer:



Watch Video Solution

185. Excessive nutrient addition, especially from anthropogenic sources, led to extensive growth of the following need in Kolleru lake

A. Ipomea
B. Eichornia
C. Cyperus
D. Cynodactylon
Answer:
Watch Video Solution
186. What are the water-borne disease common among the inhabitains of lake Kolleru?
A. Diarrhoea
B. Typhoid
C. Amoebiasis
D. All the above
Answer:

187. Draw a flow chart to describe the process of bioaccumulation and bio magnification of toxic pesticides in the body of eagles.

- A. Mercury
- B. Arsenic
- C. Lead
- D. All the above

Answer:

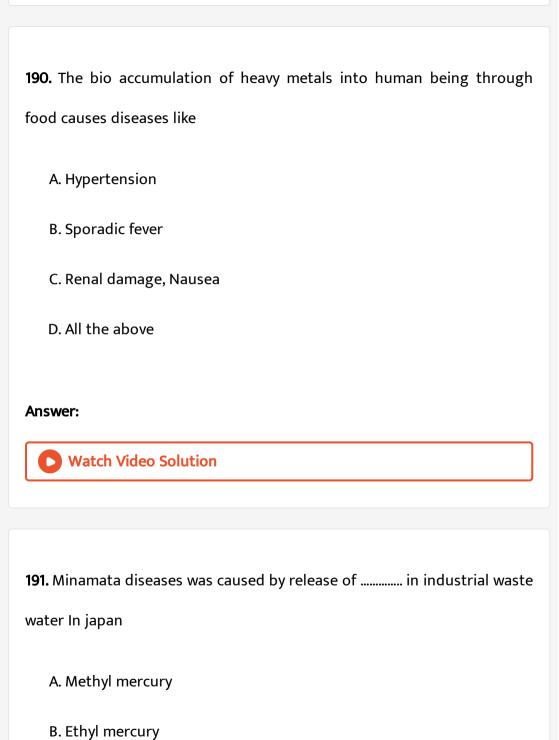


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188. Which one of the following diseases in not due to contamination of water?

A. They are strongly respond to stress conditions

B. They do not strongly respond to stress conditions C. They are weak in respond to stress conditions D. They easily adjust to stress conditions **Answer: Watch Video Solution** 189. Name the metal which was bioaccumulated in liver, gills and kidney of fish in Edulabad water reservoir in adilabad district. A. Cadmium B. Nickel C. Chromium D. Iron Answer: **Watch Video Solution**



C. Acetic acid

D. All the above

Answer:



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192. Read the passage

People started trapping, posoning and killing sparrow s in large numbers. Several free fire zones were set up for shooting the sparrows. People would beat drums to scare the birds from landing, so the sparrow ere forced to keep glying until they dropped dead from fatigue. Sparrow nests were torn down, egges were broken and nesttling were killed .Non material rewardsand recoginition were offered to school, work uits and gvernment agencies in accrdance with the number of sparrows killed . Later some scientists who cut open the digestive system of deal sparrows found that three-fourth of the contents were of insects harmful for crops adn ony one fourth contained grains. The scientiffic findings showed that sparrow were basically beneficial birds for humans. Rather than being increased, crop yields after the campaign were substantially decreased. Why the government of China mobilized o hunt down the sparrows? A. Japan B. China C. Indonesia D. Thailand **Answer: Watch Video Solution** 193. Fossil fuels are formed by Anaerobic decomposition of buried A. Dead organisms B. Coal C. Petrol D. All of the above

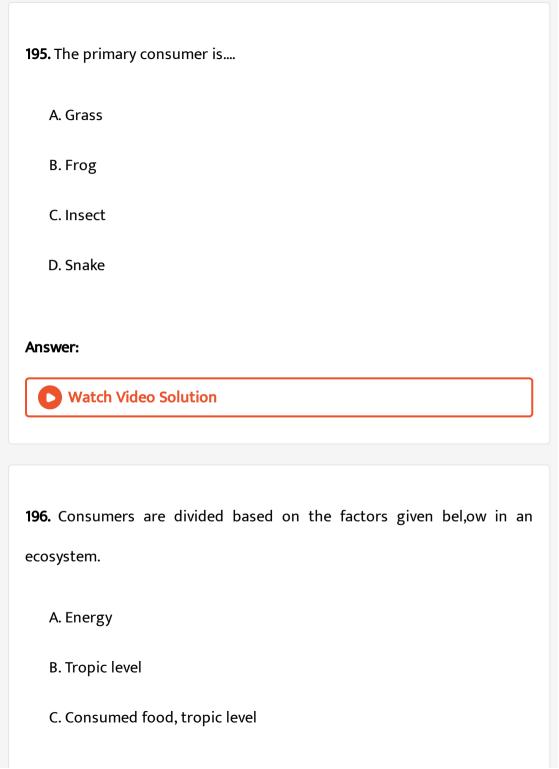


194. In a school, students thought of planting trees in an around the school to reduce air pollution. It was decided that the number of trees, that each section of each class will plant, will be the same as the class. In which they are studying e.g., a section of Class I will plant 1 tree, a section of Class II will plant 2 trees and so on till Class XII. There are three sections of each class. How many trees will be planted by the students?

- A. It is highly expensive
- B. It is time consuming
- C. It hampers sustainability
- D. It becomes an artificial set up

Answer:





Answer:
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97. Kolleru lake dischares its water into the Bay of Bengal through thechannel.
A. 1999
B. 1989
C. 2009
D. 1998
Answer:

D. Consumed food

198. The cruel campaign against which bird is initiated in 1958 in china?
A. Eagles
B. Sparrows
C. Crows
D. Hawks
Answer:
Watch Video Solution
199. What are the abiotic factors of ecosystem?
A. land and water
B. air
C. sunlight
D. all the above



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200. Observe the following a and b statements:

The number of organisms decrease as e move from producers to consumers.

The consumers are placed in the front position in a food chain.

- A. increase
- B. decrease
- C. same
- D. none of the above

Answer:



201. The bio accumulation of heavy metals into human being through food causes diseases like

A. Hypertension

B. Sporadic fever

C. Renal damage, Nausea

D. All the above

Answer:



202. Match the following

List-I

 $(B)SO_4^{\,-2}\mathrm{ion}$ is greater then 550ppm causes

(C) Mercury poison causing

 $(A)NO_2^-$ ion in drinking water 50 ppm causes decase

The correct match is

LIst-II

(1)Dis~olved oxyge

(2) Minamita dise

(3)Laxative effect (4)Blue boaby sync

(D)Domestic sewage

A. Jaundice B. Typhoid C. Minamata D. None **Answer: Watch Video Solution** 203. What is the name of the aquatic weed that grown in lake kolleru in a great extent? A. Cyperus B. Eichornia C. Ipomea D. Cynodactylon **Answer:**

204. Observe the following table showing different activities in the lake and thier influence.

People living in catchment area of Kolleru faced so many probles. Why?

				(4 Marks
Problem	Agricultural	Aquaculture	Industrial	Human
	practices	practices	activities	activities
Biological				
1. Decreased				
Migratory birds	-	+	-	-
2. Population loss of	-	+	-	-
flora and fauna				
3. Pathogens	-	-	-	+
Chemical	i i			
1. Eutrophication	+	+	-	+
2. Toxic contamination	+	+	+	-
Physical				
1. Siltation	+	+	-	-
2. Flooding	+	+	-	+

Legend: (+) means has influence on the mentioned problem.

- (-) means has no influence on the mentioned problem.
- A. Agricultural runoff of agrochemicals, fertilizers
- B. Fish tank discharges
- C. Municipal and domestic sewage
- D. All the above

Watch Video Solution 205. What measure would you take to prevent water-borne diseases? A. Diarrhoea B. Typhoid C. Amoebiasis D. All the above **Answer:** Watch Video Solution 206. Coniferous forest belongs to A. Terrestrial ecosystem

Answer:

B. Aquatic ecosystem C. Both A and B D. Mountains **Answer: Watch Video Solution** 207. How does the flow of acid rain into a river make the survival of aquatic life in a river difficult? A. Excessive nutrient input B. Acidification, organic pollutants C. Heavy metal contamination D. All the above Answer: **Watch Video Solution**

208. Man : Lungs , Frog :
A. Primary. Consumer
B. Secondary Consumer
C. Tertiary Consumer.
D. Top Carnivore
Answer: Watch Video Solution
209. Which of the following acts as a primary as well a secondary consumer in the forest eco-system?
A. Rabbit
B. Deer

D.	2.	4.	5.	1.	3
υ.	۷,	т,	٠,	٠,	•



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210. Example for non-biodegradable pesticide

A. B.H.C

B. D.D.T,

C. Aldrin

D. All the above

Answer:



211. Which of the followin is a secondary consumer in a grassland ecosystem?

A. Deer

B. Kangaroo

C. Dolphin

D. Diatoms

Answer:



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212. Grass ightarrow Deer ightarrow Tiger ightarrow The ightarrow mark in the above food chain always points from

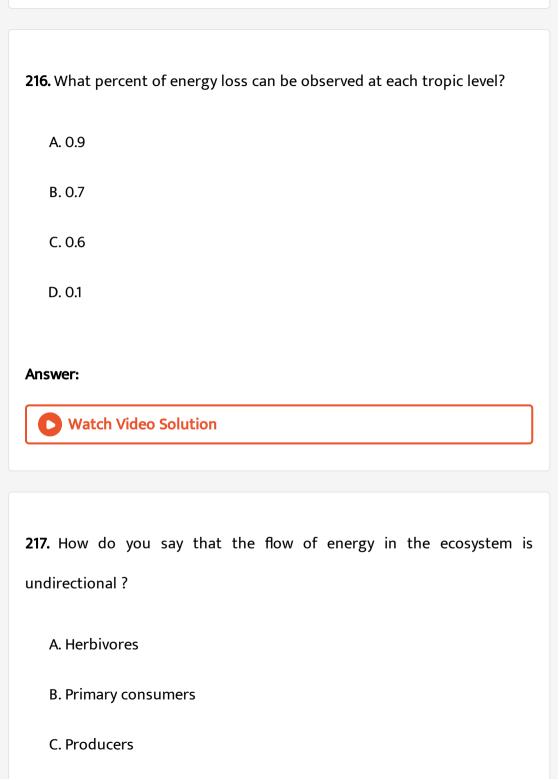
A. Feeder to food

B. Food to feeder

C. Carnivores to herbivores

D. None of the above
Answer:
Watch Video Solution
213. Ecosystem: Tansley:: Ecological Pyramid?
A. Lindeman
B. Elton
C. Slobodkin
D. None
Answer:
Watch Video Solution
214. How the energy flows from producers to consumers in a food chain?

A. Both a, b false B. Both a, b correct C. A false, b correct D. a correct, b false **Answer: Watch Video Solution** 215. Ask your teacher about nuclear energy and its impacts on ecosystem. A. Sunlight B. Temperature C. Rainfall D. All the above Answer: **Watch Video Solution**



D. Тор	carnivores



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218. If the energy available at tertiary consumer level is 20J in a food chain, how much energy will be available at the primary consumer level? (10% law)

- A. 20 J
- B. 2J
- C. 0.2 J.
- D. 200 J

Answer:



219. If the energy available at tertiary consumer level is 20J in a food
chain, how much energy will be available at the primary consumer level ?
(10% law)

- A. 2000 J
- B. 1000 J
- C. 200 J
- D. 20J

