



BIOLOGY

BOOKS - NAVNEET PUBLICATION

ENVIROMENTAL MANAGEMENT

Examples

1. What is ecosystem? What are the different components?



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2. What are the types of consumers? What are the criteria for their classification?



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3. Write the relationship between lake and birds on tree?



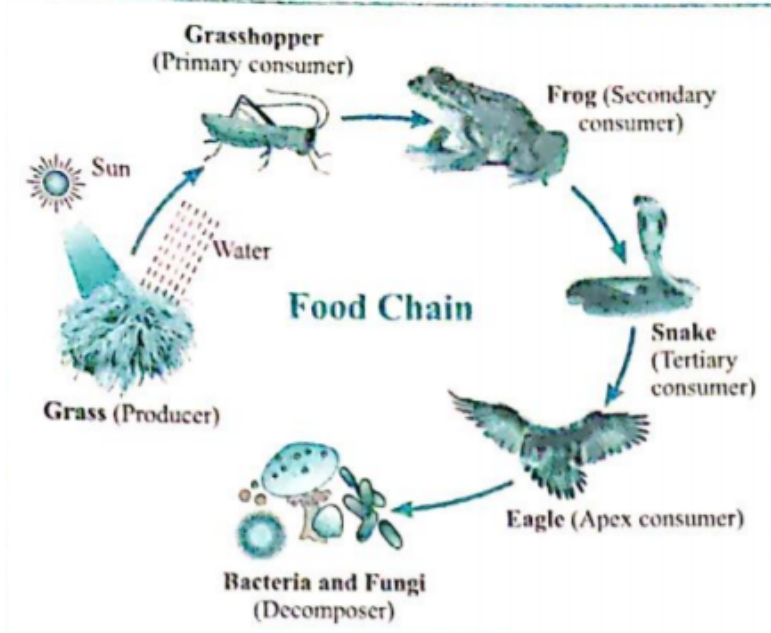
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4. What is the difference between food chain and food web?



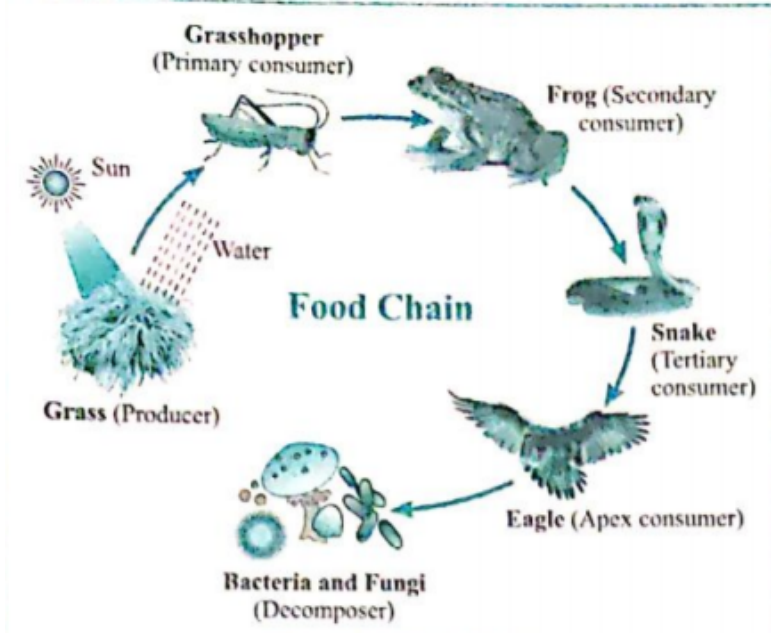
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5. Write the name and category of each of the component shown in picture.



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6. What is necessary to convert this picture into food web? Why



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7. If fallen foliage in forest, dead trees, and carcasses in the around villages had not been decomposed for years.....



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8. Which are the different trophic levels in the food chain?



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9. What is energy pyramid?



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10. A birds building nest on a tree feeds upon the fishes in near by pond. Whether this bird is part of both i.e. tree as well as pond ecosystem.



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11. If frog population declines all of a sudden, What will be the effect on paddy crop?



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12. If frog population declines all of a sudden,
Number of which consumers will decline and
which will increase?



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13. If frog population declines all of a sudden,
What will be overall effect on chat ecosystem?



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14. What is enviroment?



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15. What is included in environment?



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16. Which cycles are operated in environment?

What is their importance?



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17. Which factors have an effect on the environment?



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18. What will happen if number of consumers in environment goes on increasing gradually?



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19. What will be the effect of industry established on river bank on the river ecosystem?



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20. Which are the types of pollution?



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21. What do you mean by natural and artificial pollution?



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22. How do butterflies contribute to environmental balance?



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23. Collect the names of extinct birds and animals of India.



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24. World Wildlife Fund(WWF) published a survey in 2008. According to it, about 30% of animal species have become extinct over the period of 30 years(1975-2005).

What will happen in future if this continues as it is?





Exercise

1. Choose the correct alternative and write that alphabet against the sub question number:

Paddy fields are frequently attacked by.....

A. Goats

B. birds

C. grasshoppers

D. monkeys

Answer: C



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2. Choose the correct alternative and write that alphabet against the sub question number:

Basic functional unit to study the ecology is termed as.....

A. environment

B. niche

C. ecosystem

D. food chain

Answer: C



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3. Choose the correct alternative and write that alphabet against the sub question number:

As per..... Trading of animals has been banned.

Clause 48A

Clasuse 49B

Clause 49A

All the above

A. Clause 48A

B. Clasuse 49B

C. Clause 49A

D. All the above

Answer: C



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4. Choose the correct alternative and write that alphabet against the sub question number:

The jungle is kokilamukh of jorhat district of assam is well know as.....

A. Molai jungle

B. Rhino jungle

C. Rhino forest

D. Payang jungle

Answer: A



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5. Choose the correct alternative and write that alphabet against the sub question number:

Maintaining record of.....knowledge is very necessary.

Modern

mythical

vedic

traditional

A. Modern

B. mythical

C. vedic

D. traditional

Answer: D



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6. Choose the correct alternative and write that alphabet against the sub question number:

.....is world's largest organization engaged in environment activities.

Green peace

Hariyali

B.N.H.S

I.I.T.

A. Green peace

B. Hariyali

C. B.N.H.S

D. I.I.T.

Answer: A



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7. Choose the correct alternative and write that alphabet against the sub question number:

.....sanctuary of West Bengal is reserved for tigers.

A. Gir

B. Sunder ban

C. Molai

D. Corbett

Answer: B



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8. Choose the correct alternative and write that alphabet against the sub question number:

World Biodiversity Day is celebrated on
.....every year.

22nd April

5th June

16th September

22nd May

A. 22nd April

B. 5th June

C. 16th September

D. 22nd May

Answer: D



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9. Choose the correct alternative and write that alphabet against the sub question number:

Out of the total plant species in the entire world, 50,000 are.....

extinct

endangered

endemic

rare

A. extinct

B. endangered

C. endemic

D. rare

Answer: C



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10. Choose the correct alternative and write that alphabet against the sub question number:

Giant squirrel is anspecies.

indeterminate

rare

endemic

endangered

A. indeterminate

B. rare

C. endemic

D. endangered

Answer: A



11. Choose the correct alternative and write that alphabet against the sub question number:

In a food chain, autotrophic plants are present at thelevel.

tertiary nutrition

secondary nutrition

producer

apex

A. tertiary nutrition

B. secondary nutrition

C. producer

D. apex

Answer: C



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12. Choose the correct alternative and write that alphabet against the sub question number:

Which sanctuary of Assam is under threat due

to dams and indiscriminate use of water?

Tadoba

Kaziranga

Manas

Sundar bans

A. Tadoba

B. Kaziranga

C. Manas

D. Sundar bans

Answer: C



13. Choose the correct alternative and write that alphabet against the sub question number:

.....from Manas sanctuary in Assam is under threat.

A. One horned rhino

B. Lion

C. Musk deer

D. Giant squirrel/shekhru

Answer: A



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14. Choose the correct alternative and write that alphabet against the sub question number:

Genetic changes occur due topollution.

A. radioactive

B. air

C. water

D. soil

Answer: A



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15. Write whether the following Statements are true or false, giving suitable explanation for the same:

Only abiotic factors play very important role in the ecosystem



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16. Write whether the following Statements are true or false, giving suitable explanation for the same:

Paddy fields are frequently attacked by frogs.



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17. Write whether the following Statements are true or false, giving suitable explanation for the same:

Environmental pollution is necessary and

acceptable change in the surrounding environment.



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18. Write whether the following Statements are true or false, giving suitable explanation for the same:

X-rays and radiations from atomic energy plants are natural radiations.



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19. Write whether the following Statements are true or false, giving suitable explanation for the same:

The person breaching the Environmental Conservation Act is entitled for either one year imprisonment or fine up to Rs. 5 lakh



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20. Write whether the following Statements are true or false, giving suitable explanation for the same:

Many people come together to establish a new forest but a single person, if determined can destroy the entire forest!



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21. Write whether the following Statements are true or false, giving suitable explanation for the same:

There are clusters of thick forests only in Western Ghats of India.



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22. Write whether the following Statements are true or false, giving suitable explanation for the same:

86 highly sensitive biodiversity spots are reported all over the world.



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23. Write whether the following Statements are true or false, giving suitable explanation for the same:

Flow of nutrients in an ecosystem is unidirectional.



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24. Match the columns:

(1)	Column I	Column II
(1)	Physical, chemical and biological factors together form	(a) Biodiversity
(2)	The science of interactions between biotic and abiotic factors	(b) Ecosystem
		(c) Ecology
		(d) Environment



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25. Match the columns:

(2)	Column I	Column II
(1)	Basic functional unit in the environment	(a) Biodiversity
		(b) Ecosystem
(2)	Different types of living organisms	(c) Ecology
		(d) Environment



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26. Match the columns:

(3)	Rules/Act	Year
(1)	Sound Pollution (Control and Prevention) Rule	(a) 1980
		(b) 2011
(2)	Biomedical Waste (Management and Handling) Rule	(c) 1998
		(d) 2000



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27. Match the columns:

(4)	Rules/Act	Year
(1)	Forest Conservation Act	(a) 1980
(2)	Environmental Conservation Act	(b) 1986
		(c) 2011
		(d) 2000



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28. Match the columns:

(5)	Species	Examples
(1)	Endangered	(a) Red panda, Musk deer
(2)	Rare	(b) Tiger, Lion
		(c) Lion tailed monkey, lesser florican
		(d) Monkey, squirrel



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29. Match the columns:

(6)	Species	Examples
(1) Vulnerable		(a) Giant squirrel (Shekhru)
(2) Indeterminate		(b) Red panda, Musk deer
		(c) Tiger, Lion
		(d) Lesser florican, sparrow



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30. Find the odd one out:

Ash, Carbon dioxide, Lead, Asbestos



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31. Find the odd one out:

Manas sanctuary, Sunderbans sanctuary, The
Western Ghats, Tadoba National Park



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32. Find the odd one out:

Lion tailed monkey, White rats, Musk deer,
Tiger



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33. Find the odd one out:

Conservation, Regulation, Pollution,
Prohibition



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34. Find the odd one out:

IPCC, UNEP, IUCN, BNHS



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35. Find the correlation:

Rare species : Musk deer:: : Lesser florican.



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36. Find the correlation:

Red panda : Rare species : : Giant Squirrel :



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37. Find the correlation:

Nitrogen, Oxygen: Gaseous cycle : : Soil and
Rocks :



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38. Find the correlation:

Manas : One horned Rhino: : Gir :



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39. Find the correlation:

Mumbai : Bombay Natural History Society : :

Tehri Garhwal :



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40. Answer the following question in detail:

Reorganize the following food chain. Describe the ecosystem to which it belongs.

Grasshopper - Snake - Paddy field - Eagle - Frog.



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41. If frog population declines all of a sudden,
What will be the effect on paddy crop?



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42. If frog population declines all of a sudden,
Number of which consumers will decline and
which will increase?



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43. Answer the following question in detail:

Name the Indian states where paddy is cultivated on a large scale.



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44. Explain the statement -'We have got this Earth planet on lease from our future generations and not as ancestral property from our ancestros'.



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45. Answer the following question in detail:

How will you justify that overcoming the pollution is a powerful way of environmental management?



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46. Answer the following question in detail:

“Solving the problem of pollution is an effective way of environmental management.”
Justify the statement.



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47. Which projects will you run in relation to environmental conservation? How?



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48. Answer the following question in detail:

Write six strategies implemented by you for conservation of the environment.



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49. Answer the following question in detail:

Write the factors affecting environment



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50. Write the types and examples of biodiversity.



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51. Answer the following question in detail:

Explain the three different levels of biodiversity.



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52. Explain. How can bio-diversity be conserved?



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53. What do we learn from the story of Jadav Molai Peyang?



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54. Write the names of biodiversity hot spots?



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55. Which are the reasons for endangering the species of plants and animals? How can we

save those?



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56. Answer the following question in detail:

What is radioactive pollution? What are its effects?



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57. Answer the following question in detail:

Why is it said that pollution control is

important?



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58. Forest conserved in the name of God



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59. Why does human being have an important place in the environment?



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60. Give scientific reasons:

Certain scavenging caterpillars, termites and insects found in the dung are important.



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61. Give scientific reasons:

Destroying trees is to destroy everything.



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62. Give scientific reasons:

There is no definite information about indeterminate species.



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63. Give scientific reasons:

Tigers from Sunderbans and Rhinos from Manas are under threat



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64. Write short note on

Environmental Conservation



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65. Write short note on

Chipko Movement of Bishnoi



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66. Write short note on Biodiversity.





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67. Write short note on Sacred Groves.



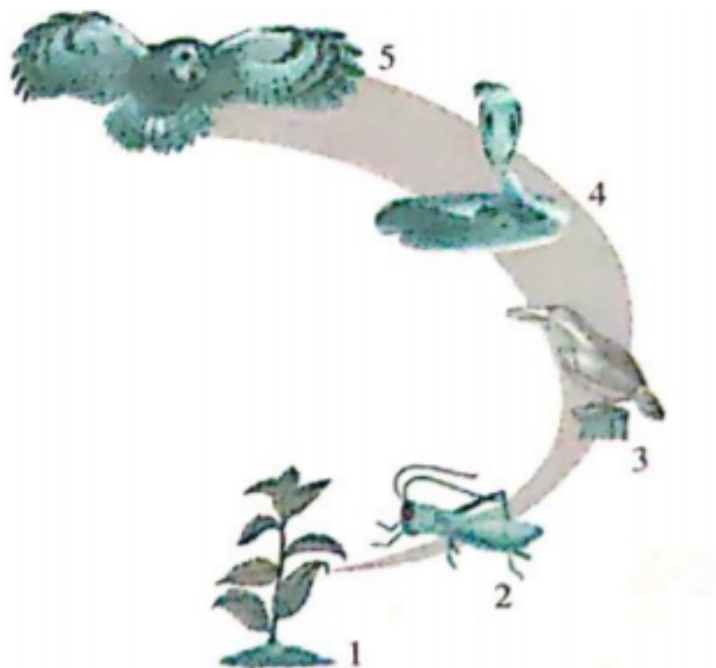
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68. Write short note on Disaster and its managements:



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69. Questions based on diagrams:



What is shown in the picture? Write the name and trophic level of each component.



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70. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Prevention



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71. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Conservation



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72. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Production



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73. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Awareness



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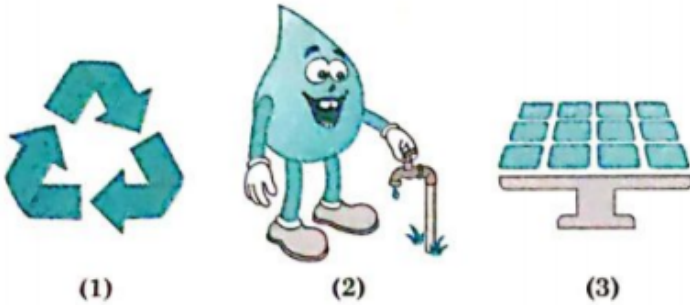
74. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Conservation



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75. Questions based on diagrams:

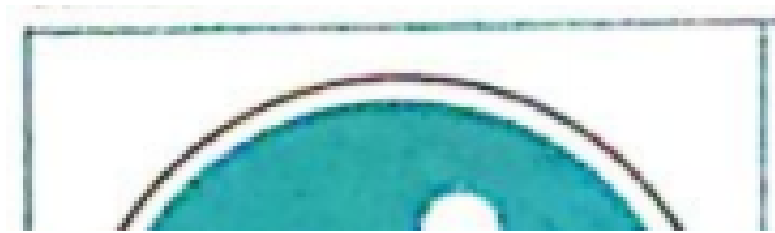


What are the meanings of the following symbols? Write your role accordingly.



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76. Questions based on diagrams:







Find the meaning of given symbols in relation to environment conservation. Make a list of other such symbols.



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77. Questions based on diagrams:

(A)



(B)

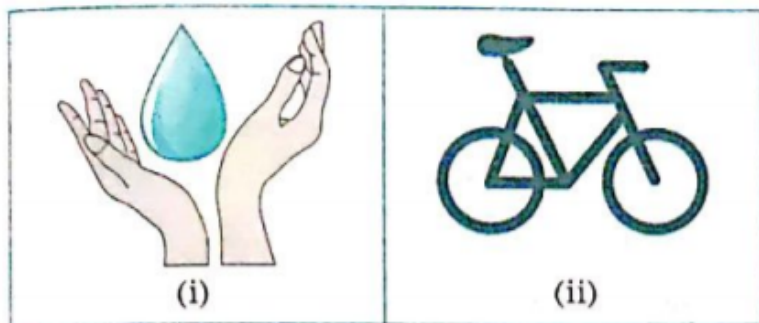


Explain the meaning of following symbols A and B.



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78. Questions based on diagrams:

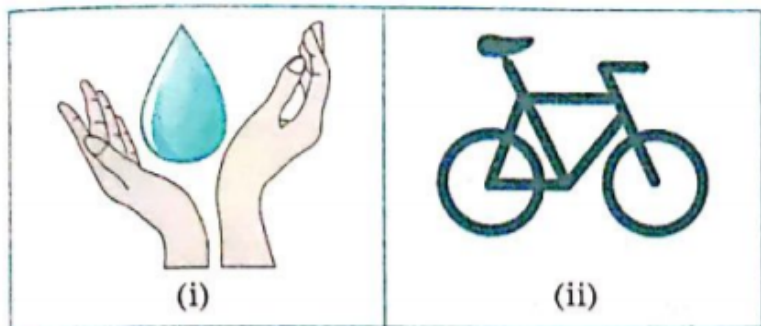


Identify the following symbols and state their significance :



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79. Questions based on diagrams:

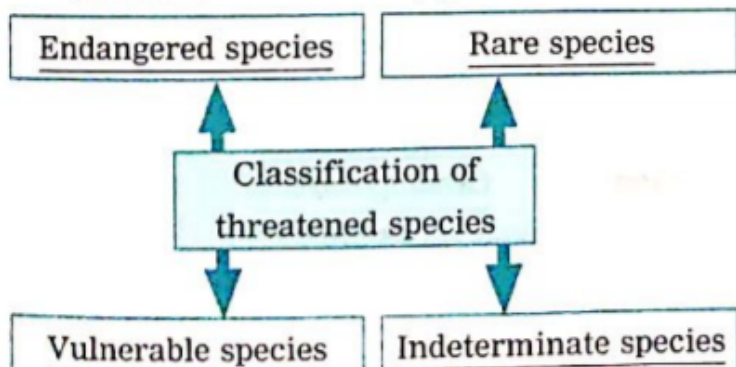


How can biodiversity be conserved?



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80. Questions based on diagrams:



Complete following concept chart



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81. Complete the paragraph by choosing the appropriate words given in the brackets :

(conserving, pledge. biodiversity, judicious,

wildlife, diversity, destruction)

I am aware that the.....on the Earth is for the existence of me, my family and the entire mankind. I am aware about the responsibility of and protecting the rich diversity. I am aware about the fast-declining number of, plants and animals. I am accepting the responsibility of use of natural resources and management of I. for adopting the following principles for happy and satisfactory life of all organisms on the Earth.



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82. Read the paragraph and answer the questions given below :

Our atmosphere is getting hotter. more turbulent, and more unpredictable because of the “boiling and churning” effect caused by the heat-trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated, and “boiled”. The green house gases such as

water vapour, carbon dioxide, methane, nitrous oxide, and ozone are causing great impact on life on earth. Due to global warming, the glaciers are melting, causing sea level rise, coastal submergence and frequent natural disasters. We have to rethink while taking the development projects and help to protect the existing life forms on the earth before its too late because climate change can exterminate us.

Why is there increased global warming?



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83. Read the paragraph and answer the questions given below :

Our atmosphere is getting hotter. more turbulent, and more unpredictable because of the “boiling and churning” effect caused by the heat-trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated, and “boiled”. The green house gases such as water vapour, carbon dioxide, methane,

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Which are main green house gases?



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84. Read the paragraph and answer the questions given below :

Our atmosphere is getting hotter. more turbulent, and more unpredictable because of the “boiling and churning” effect caused by the heat-trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated, and “boiled”. The green house gases such as water vapour, carbon dioxide, methane, nitrous oxide, and ozone are causing great

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What is the chain of impacts caused due to global warming ?



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85. Read the paragraph and answer the questions given below :

Our atmosphere is getting hotter. more turbulent, and more unpredictable because of the “boiling and churning” effect caused by the heat-trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated, and “boiled”. The green house gases such as water vapour, carbon dioxide, methane, nitrous oxide, and ozone are causing great

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Why is life threatened on the earth due to global warming?



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86. Read the paragraph and answer the questions given below :

Our atmosphere is getting hotter. more turbulent, and more unpredictable because of the “boiling and churning” effect caused by the heat-trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated, and “boiled”. The green house gases such as water vapour, carbon dioxide, methane, nitrous oxide, and ozone are causing great

impact on life on earth. Due to global warming, the glaciers are melting, causing sea level rise, coastal submergence and frequent natural disasters. We have to rethink while taking the development projects and help to protect the existing life forms on the earth before its too late because climate change can exterminate us.

What can we do to reverse effects climate change?



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