

1. The _____ form decomposers in the pond ecosystem.

- i) plants ii) bacteria iii) frogs iv) phytoplanktons

2. Water is an essential commodity for survival. What can we do to help increase water resources?

- i) deforestation ii) reducing the use of vehicles iii) the burning of the wastage iv) afforestation

3. The tiger and the lion are carnivores. Likewise the elephant and the bison are _____.

4. Compressed Natural Gas (CNG) is considered a better fuel than coal/ petroleum, because _____.

5. Which of the following is not a fossil fuel?

- i) copper ii) natural gas iii) petroleum iv) coal

II. WRITE SHORT ANSWER FOR THE FOLLOWING QUESTIONS.

(15 X 2 = 30)

6. Classify the following into producers, consumers, decomposers.

- i) butterfly ii). grass hopper iii) calottes iv) snakes v). shoe flower vi) nitrobacteria

7. Living organisms adapt themselves according to their habitat.

Match the following:-

a.	fish	wings
b.	camel	hind limbls with web
c.	frog	fins
d.	birds	hard skin

8. Fill in the blanks

i) Animals give out _____ through respiration.

ii) In the presence of sunlight, plants prepare _____.

9. Bacteria and fungi are responsible for the decay of dead plants and animals. Decaying matter is recycled to grow plants. What do we call this?

10. Fill in the blanks with suitable answers from those given in the brackets.

(harmful, heavy metals, carbon dioxide, sulphur particles)

Generation of waste products which contain Mercury, Uranium, Thorium, Arsenic, and other _____ are _____ to human health and environment. _____ present in the coal will cause acid rain and the release of _____, a green house gas, causes climate change and global warming.

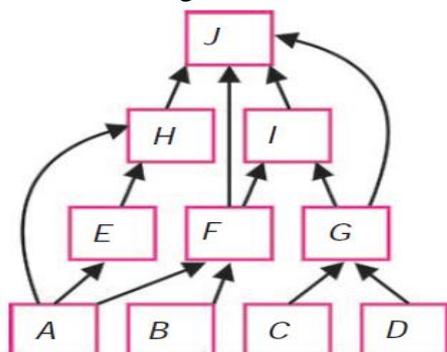
11. Depict a food chain by placing the following organisms in the correct trophic levels:

(snake, grass, eagle, frog, grasshopper)

12. Show an aquatic food chain using the following organisms.

(Small fish, Phytoplanktons, Kingfisher, Zooplanktons)

13. Observe the following food web:

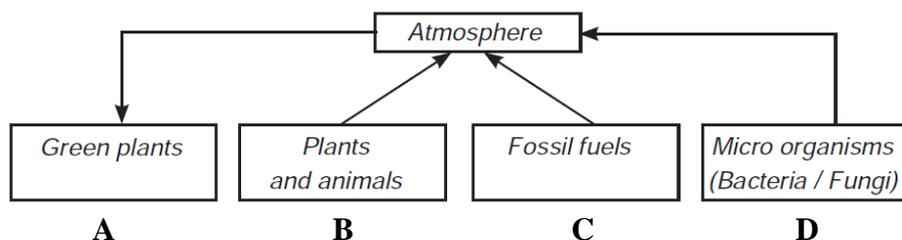


(i) Find out the wrong statement:

- a) 'A' is a producer b) 'F' is a herbivore c) 'H' is an omnivore d) 'I' is a climax carnivore

(ii) Find out how many food chains are present in the above food web.

14. Observe the following Bio-geo chemical cycle.



i) Mention the nutrient in the given cycle.

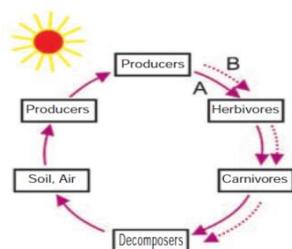
ii) Write the activities from 'A' to 'D'.

15. Study the food chain below, correct it and convert it into a pyramid of energy.

Mulberry → Sparrow → Caterpillar → Kite

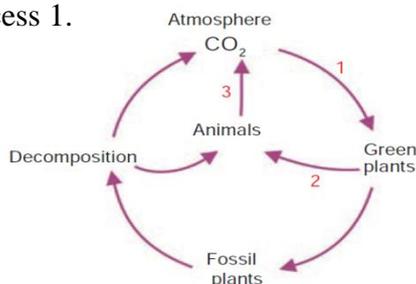
16. Study the illustration and answer the questions:

i) Which line (A or B) represents the flow of energy? Why do you say so? ii) Give an example of a decomposer.



17. i) Name the processes noted as No. 1 and 3.

ii) Define process 1.



18. Match the following.

- | | |
|--------------------|--------------------|
| a) Black Gold | i) Bio-Plastic |
| b) Green Chemistry | ii) sewage |
| c) Green house gas | iii) Petroleum |
| d) Water pollution | iv) Global warming |

19. Assertion (A) : Coal and petroleum are called fossil fuels.

Reason (R) : Fossil fuels are formed from the remains of dead organisms after millions of years.

- Both 'A' and 'R' are true and 'R' explains 'A'.
- Both 'A' and 'R' are true and but 'R' doesn't explain 'A'
- Only 'A' is true but 'R' is false.
- 'A' is false but 'R' is true.

20. Classify the following substances – wood, paper, plastic and grass and give reason your classification.

II. WRITE DETAIL ANSWER FOR THE FOLLOWING QUESTIONS. (3 X 5 = 15)

21. In your locality people are affected due to water scarcity. What measures will you take to deal with the problem of water scarcity?

22. We are surrounded by smoke. Is this situation good for our health. Give reason.

23. List out the harmful effects of burning coal.