



BIOLOGY

BOOKS - KUMAR PRAKASHAN

OUR ENVIRONMENT

Questions And Answers

1. Write a short note on : Environment



Watch Video Solution

2. Write a short note on : Ecosystem



[Watch Video Solution](#)

3. Why is garden considered as an ecosystem?



[Watch Video Solution](#)

4. Explain the groups of organisms based on their role in an ecosystem.



[Watch Video Solution](#)

5. Explain the groups of organisms based on their role in an ecosystem.



Watch Video Solution

6. Write a short note on: Consumers



Watch Video Solution

7. Explain food chain and trophic levels.



[Watch Video Solution](#)

8. Describe energy flow in an ecosystem



[Watch Video Solution](#)

9. State the points of explanation which are derived from the study of flow of energy in an ecosystem.



[Watch Video Solution](#)

10. Explain: Food web



Watch Video Solution

11. Explain in brief: Biomagnification



Watch Video Solution

Questions And Answers Intext Quesitnos

1. What are trophic levels? Give an example of a food chain and state the different trophic levels in it.



Watch Video Solution

2. What is the role of decomposers in the ecosystem?



Watch Video Solution

3. Explain how is ozone formed? State the significance of ozone layer.



Watch Video Solution

4. Why are some substances bio- degradable and some non-biodegradable?



Watch Video Solution

5. Give any two ways in which biodegradable substances would affect the environment.



Watch Video Solution

6. Give any two ways in which non-biodegradable substances would affect the environment.



Watch Video Solution

7. What is ozone and how does it affect any ecosystem '1



Watch Video Solution

8. How can you help in reducing the problem of waste disposal? Give any two methods.



Watch Video Solution

Questions And Answers Activity 15 1

1. How can an aquarium become self-sustaining system by adding a few aquatic plants and animals?



Watch Video Solution

2. Can we leave the aquarium as such after it is set up?



Watch Video Solution

3. Why does aquarium have to be cleaned once in a while?



Watch Video Solution

4. Do we need to clean lakes or ponds in the same manner? Why or why not ?



Watch Video Solution

Questions And Answers Activity 15 2

1. While creating an aquarium did you take care not to put an aquatic animal which would eat others? What would have happened otherwise?



[Watch Video Solution](#)

2. Write the aquatic organisms in order of who eats whom and form a chain of at least three steps.



[Watch Video Solution](#)

3. Would you consider anyone group of organisms to be of primary importance? Why or why not?



[Watch Video Solution](#)

Questions And Answers Activity 15 3

1. What would be the source of pesticides in ready-made food items?



[Watch Video Solution](#)

2. Could pesticides get into our bodies from food products other than ready-made food?



Watch Video Solution

3. What methods could be applied to reduce our intake of pesticides ?



Watch Video Solution

4. Why some states have banned on some ready-made food products?



[Watch Video Solution](#)

Questions And Answers Activity 15 4

1. Which chemicals are responsible for the depletion of the ozone layer ?



[Watch Video Solution](#)

2. Find out if the regulations to control the emission of ozone depleting chemicals have succeeded in reducing the damage to the ozone layer. Has the size of the hole in the ozone layer changed in recent years?



[Watch Video Solution](#)

Questions And Answers Activity 15 5

1. What are the materials that remain unchanged over long periods of time?



[Watch Video Solution](#)

2. What are the materials that change the faster?



[Watch Video Solution](#)

3. What are the materials that change the faster?



[Watch Video Solution](#)

Questions And Answers Activity 15 6

1. How long are various non-biodegradable substances expected last in our environment?



[Watch Video Solution](#)

2. Find out whether biodegradable plastic do or do not harm the environment.



[Watch Video Solution](#)

Questions And Answers Activity 15 7

1. Find out what happens to the waste generated at home? Is there a system in place to collect this waste?



[Watch Video Solution](#)

2. Find out how the local body (panchayat, municipal corporation, resident welfare association) deals with the waste.

Are there mechanisms in place to treat the

biodegradable and non-biodegradable wastes separately?



[Watch Video Solution](#)

3. Calculate how much waste is generated at home in a day. How much of this waste is biodegradable?



[Watch Video Solution](#)

4. Calculate how much waste is generated in a classroom in a day. How much of this waste is biodegradable?



[Watch Video Solution](#)

5. Suggest the ways of dealing with the waste.



[Watch Video Solution](#)

1. Find out how the sewage in your locality is treated. Are there mechanisms in place to ensure that local water bodies are not polluted by untreated sewage?



[Watch Video Solution](#)

2. Find out how the local industries in your locality treat their wastes.

Are there mechanisms in place to ensure that the soil and water are not polluted by this water ?



[Watch Video Solution](#)

Questions And Answers Activity 15 9

1. What hazardous materials have to be dealt with while disposing the electronic items? How would these materials affect the environment?



[Watch Video Solution](#)

2. How are plastics recycled? Does the recycling process have any impact on the environment ?



[Watch Video Solution](#)

Textual Exercise

1. Which of the following groups contain only biodegradable items? A) Grass. flowers and leather B) Grass. wood and plastic C) Fruit

peels. cake and lime juice D) Cake. wood and grass

A. Grass. flowers and leather

B. Grass. wood and plastic

C. Fruit peels. cake and lime juice

D. Cake. wood and grass

Answer:



Watch Video Solution

2. Which of the following constitute a food chain? A) Grass. wheat and mango B) Grass. goat and human C) Goat. cow and elephant D) Grass. fish and goat

A. Grass. wheat and mango

B. Grass. goat and human

C. Goat. cow and elephant

D. Grass. fish and goat

Answer:



Watch Video Solution

3. Which of the following are environment-friendly practices? A) Carrying cloth-bags to put purchases in while shopping B) Switching off unnecessary lights and fans C) Walking to school instead of getting your mother to drop you on her scooter D) All of the above

A. Carrying cloth-bags to put purchases in while shopping

B. Switching off unnecessary lights and fans

C. Walking to school instead of getting your mother to drop you on her scooter

D. All of the above

Answer:



Watch Video Solution

4. What will happen if we kill all the organisms in one trophic level?



Watch Video Solution

5. Will the impact of removing all the organisms in a trophic level be different for different trophic levels? Can the organisms of any trophic level be removed without causing any damage to the ecosystem?



Watch Video Solution

6. What is biological magnification? Will the levels of this magnification be different at different level of the ecosystem?



Watch Video Solution

7. What are the problems caused by the non-biodegradable wastes that we generate?



Watch Video Solution

8. If all the wastes we generate is biodegradable. will this have no impact on the environment?



[Watch Video Solution](#)

9. Why is damage to the ozone layer a cause for concern? What steps are being taken to limit this damage?



[Watch Video Solution](#)

Additional Questions And Answers

1. Distinguish between:

(1) Biodegradable wastes and Non-biodegradable wastes.



[Watch Video Solution](#)

2. Distinguish between:

(2) Producer organisms and Consumer organisms



[Watch Video Solution](#)

3. Give scientific reasons for the following statements :

Consumers are directly or indirectly dependent on green plants for energy.



Watch Video Solution

4. Give scientific reasons for the following statements :

Energy flow is always unidirectional in an ecosystem.



Watch Video Solution

5. Give scientific reasons for the following statements :

The trophic relationships of organisms occur in form of food webs.



Watch Video Solution

6. Give scientific reasons for the following statements :

It is necessary to prevent the uncontrolled use of pesticides and other chemicals



[Watch Video Solution](#)

7. Give scientific reasons for the following statements :

The main responsible factor for depletion of ozone layer is CFC.





[Watch Video Solution](#)

8. Give scientific reasons for the following statements :

The production of household waste can be reduced by few common steps.

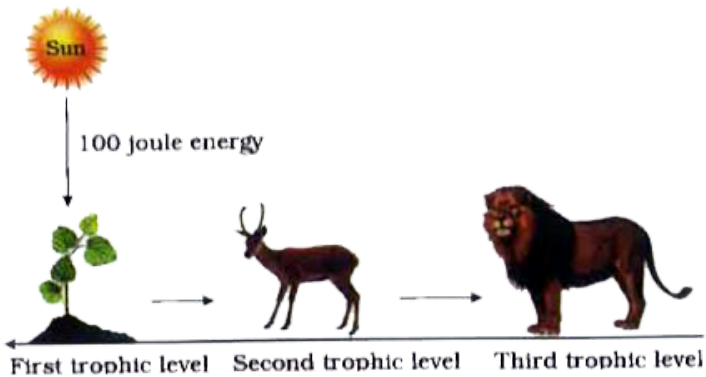


[Watch Video Solution](#)

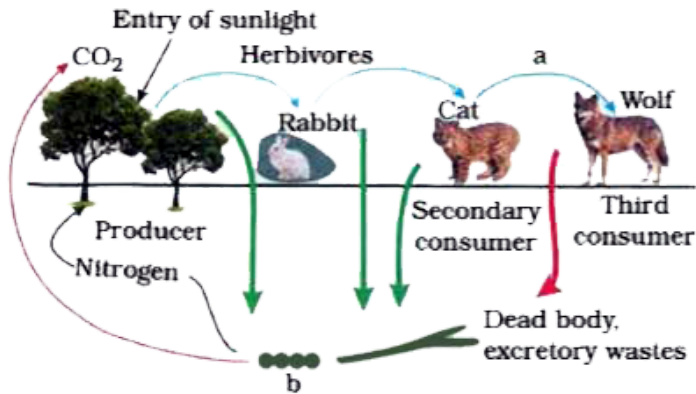
9. Carefully observe the given diagram and answer the questions related it:

(1) Only 10% energy is transferred from one

trophic level to its upper trophic level. From following diagram how much energy available to second and third trophic level?



[Watch Video Solution](#)



10.

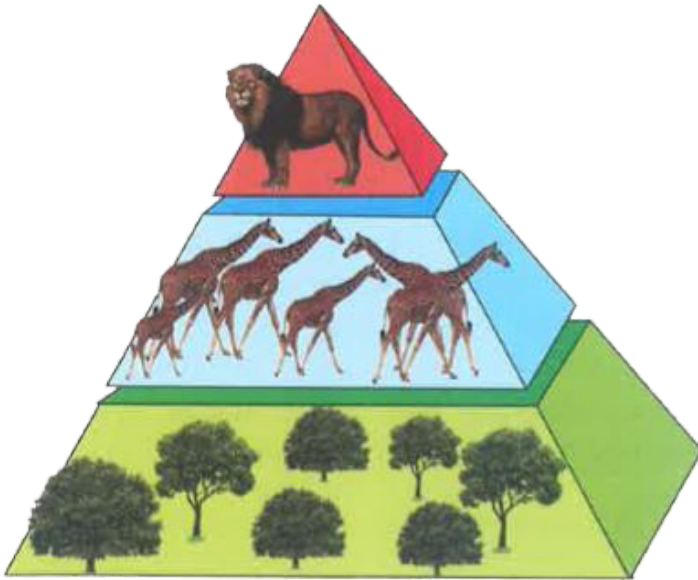
Questions :

(1) Give the name of 'a' and mention its category.

(2) Give the name of 'b' and mention its function.



Watch Video Solution



11.

Questions :

(1) Which trophic level has maximum number of organisms? Why ?

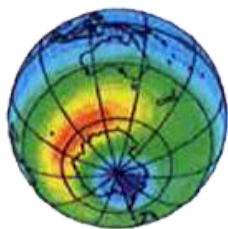
(2)Why number of secondary consumers are less than herbivores?

(3)Why lion is placed at the top of pyramid ?

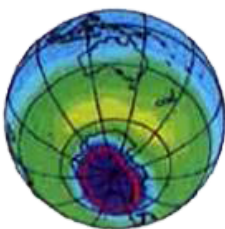


Watch Video Solution

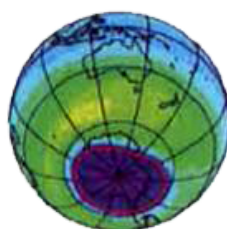
12. Observe satellite picture showing ozone layer over Antarctica. What is shown in picture? Give the name of compound responsible for it.



October
1980



October
1985




October
1990



Watch Video Solution

13. Fill the blank in following given table for terrestrial food chain

Trophic level of food chain	Category of organism	Nutrition type	Name of organism in food chain	Energy flow
Trophic level IV	a	d	Hawk	
Trophic level III	Secondary consumer	e	g	
Trophic level II	b	heterotrophic (herbivores)	h	
Trophic level I	c	f	herb	



Watch Video Solution

Objective Questions And Answers

1. Who affects the environment the most?



[Watch Video Solution](#)

2. Which is main functional unit of an environment ?



[Watch Video Solution](#)

3. What happens to the dead plants and dead animals?



 [Watch Video Solution](#)

4. What are various orders of food chain named as?



[Watch Video Solution](#)

5. How many trophic levels occur in food chain ?



[Watch Video Solution](#)

6. Which trophic level has maximum and which trophic level has minimum number of organisms?



Watch Video Solution

7. Can any single organism occupy two different trophic levels? Yes or no. Explain.



Watch Video Solution

8. Construct food chain from following organisms:

(a) Frog, insects, birds, grass.

(b) Fish, algae, small animals, large fish.



Watch Video Solution

9. Why all food chains begin with organisms that contain chlorophyll?



Watch Video Solution

10. Among snake, insects, frog, plants, hawk which one is an organism of fourth trophic level?



Watch Video Solution

11. Among grass, deer, lion by whom maximum energy is transported to its upper trophic level?



Watch Video Solution

12. Mention the amount of solar energy captured by the green plants out of the total energy that reaches on the earth from the sun and mention the percentage of energy, which is transferred from one trophic level to next higher one.



Watch Video Solution

13. List two methods of safe disposal of the non-biodegradable waste.



Watch Video Solution

14. Which chemical is used in fire extinguishers? How it is harmful?



Watch Video Solution

15. Why is straight-line food chain is not common in the natural ecosystem?



Watch Video Solution

16. What is the function of ozone in the upper atmosphere?



Watch Video Solution

17. Name two natural and two artificial ecosystem.



Watch Video Solution

18. Name the natural cleansing agent in an ecosystem.



Watch Video Solution

19. Why are autotrophs called producers and heterotrophs called consumers?



Watch Video Solution

Objective Questions And Answers Define Or Explain The Terms

1. Define : Ecosystem



Watch Video Solution

2. Define : Decomposers



Watch Video Solution

3. Define : Food chain



Watch Video Solution

4. Define : Food web



[Watch Video Solution](#)

5. Define : Artificial ecosystem



[Watch Video Solution](#)

6. Define : Biological magnification



[Watch Video Solution](#)

7. Define : Biodegradable substances



Watch Video Solution

8. Define : Non-biodegradable substances



Watch Video Solution

9. Define : Producers



Watch Video Solution

10. Define : Consumers



[Watch Video Solution](#)

Objective Questions And Answers Fill In The Blanks

1. Waste substances that are broken down by microbes are called..... .



[Watch Video Solution](#)

2. is formed by interaction between biotic community and abiotic factors.



[Watch Video Solution](#)

3. Use of chemical is hazardous for ozone layer.



[Watch Video Solution](#)

4. Farm and garden areecosystem



[Watch Video Solution](#)

5. A parasite is in the class ofcategory



[Watch Video Solution](#)

6. All animals are..... in food chain.



[Watch Video Solution](#)

7. Food chain ends with..... organisms from
where simple inorganic substances return

back to the soil.



Watch Video Solution

8. Solar energy is transformed into by chlorophyllous organisms.



Watch Video Solution

9. Main energy source in an ecosystem is.....



Watch Video Solution

10. A problem of is due to entry of non-biodegradable substance.



Watch Video Solution

11. UV radiation can causecancer in human beings.



Watch Video Solution

12. is flow in form of food in an ecosystem.



[Watch Video Solution](#)

Objective Questions And Answers True Or False

1. State True or False. Microbes decomposing dead bodies are located at trophic level of producers.



[Watch Video Solution](#)

2. State True or False. Sun is ultimate energy source for ecosystems on this earth.



[Watch Video Solution](#)

3. State True or False. Wastes which we generated are biodegradable or non-biodegradable



[Watch Video Solution](#)

4. Oxygen gets released under the effect of ultraviolet rays on ozone molecules



[Watch Video Solution](#)

5. Ecosystem is formed only with biotic components



[Watch Video Solution](#)

6. Level of energy decreases as one goes to upper trophic level in an ecosystem.



[Watch Video Solution](#)

7. Only 10 % energy is used at each trophic level from the available energy and remaining is saved for next level of organisms.



[Watch Video Solution](#)

8. Number of consumers are always more than producers.



[Watch Video Solution](#)

9. State True or False. UV radiation absorbs ozone that is deadly poison at ground level.



Watch Video Solution

10. State True or False. In ecosystem food relationships among organisms are in form of food web.



Watch Video Solution

11. Water is abiotic factor in pond ecosystem



Watch Video Solution

12. In food chain energy flow is bidirectional



Watch Video Solution

13. State True or False. All organisms can use only chemical energy



Watch Video Solution

14. Food web is formed due to alternative path for food availability.



Watch Video Solution

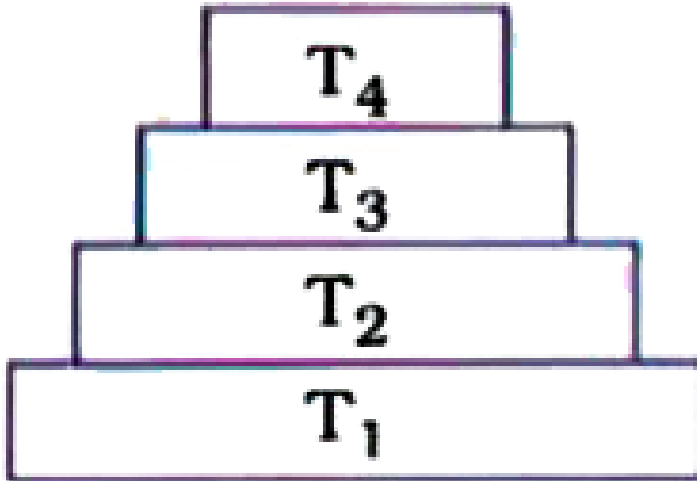
15. Decomposers are natural scavengers.



Watch Video Solution

**Objective Questions And Answers Chart Diagram
Based Questions**

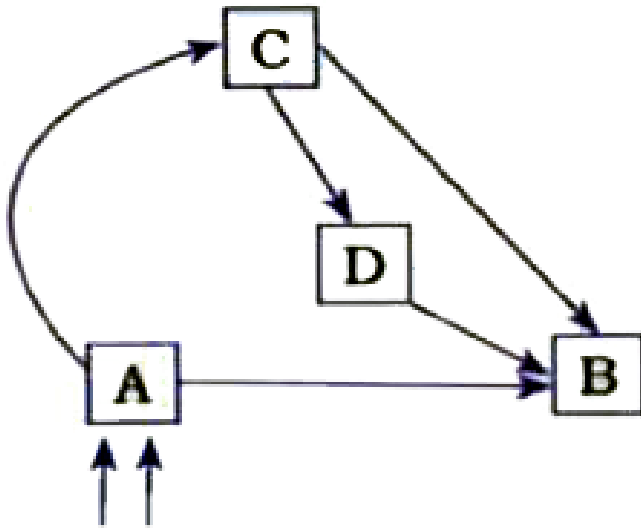
1. A food chain with four trophic levels is shown in following diagram :



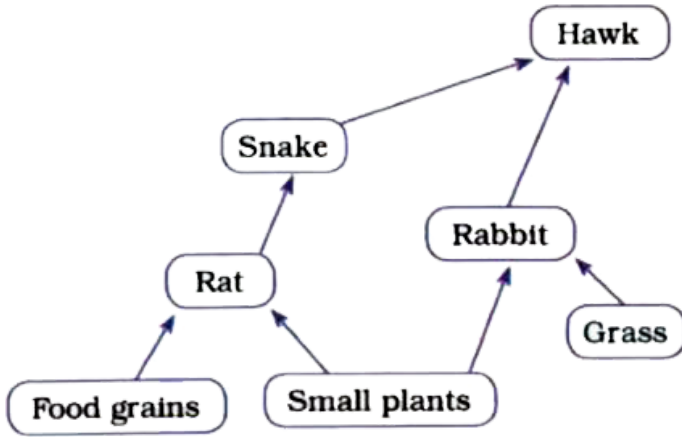
- (1) Which trophic level indicates carnivores ?
- (2) Arrange trophic levels in correct manner on the basis of the amount of available energy.

 [Watch Video Solution](#)

2. In the chart of energy flow given below identify the decomposers and explain your choice:



 [Watch Video Solution](#)



In a given food web,

(1) Identify which one is secondary as well as tertiary consumers.

(2) Identify which one has minimum conc. of pesticides.



[Watch Video Solution](#)

4. Match the following

Column I	Column II
1. Animals feed only on plants	p. Carnivores
2. Animals feed on other animals	q. Decomposers
3. Animals feed on plants as well as animals	r. Herbivores
4. Organisms obtain nutrition from decaying organic matter	s. Omnivores



[Watch Video Solution](#)

5. Match the following

Column I	Column II	Column III
1. Omnivores	a. Scavenger	p. Grass
2. Producer	b. Secondary consumer	q. Crow
3. Detritus feeding	c. Biconsumer	r. Deer
4. Carnivores	d. Primary consumer	s. Tiger
5. Herbivores	e. Transformer of solar energy	t. Fox



Watch Video Solution

6. Match the following

Column I	Column II
1. Autotroph	p. Convert complex organic matter into inorganic
2. Primary consumer	q. Convert inorganic constituent into organic with the help of sunlight
3. Secondary consumer	r. Plant feeder
4. Decomposer	s. Animal feeder



[Watch Video Solution](#)

Objective Questions And Answers Choose The Correct Option From Those Given Below Each Question

1. Which process is significant in a primary producers for to sustain an ecosystem?

A. Biological magnification

B. Photosynthesis

C. Respiration

D. Water absorption

Answer:



Watch Video Solution

2. Animals that fed on both producer as well as consumer trophic level are called....

A. herbivores

B. carnivores

C. omnivores

D. decomposers

Answer:



Watch Video Solution

3. There are more herbivores than carnivores
in

a food chain because...

I. carnivores have bigger appetites.

II. a large number of herbivores are needed to
support a small number of carnivores.

III. there are more plants for herbivores to eat.

IV. much energy is lost in the transfer of
energy from herbivores to carnivores.

A. I and III

B. II and IV

C. I and II

D. All of given

Answer:



Watch Video Solution

4. In a food chain deer feeds on plants. Deer is eaten by a lion. Which of the following statement is correct for it ?

I. Lion is secondary consumer and deer is primary consumer.

II. Lion is predator and deer is prey.

III. Lion is primary consumer and deer is secondary consumer.

IV. Lion is tertiary consumer and deer is secondary consumer

A. I and II only

B. III and IV only

C. II and III only

D. I and IV only

Answer:



 [Watch Video Solution](#)

5. Which is possible food chain in pond?

Producer	Primary consumer	Secondary consumer
A. Algae	Fish	Larva of mosquito
B. Fish	Algae	Larva of mosquito
C. Larva or mosquito	Algae	Fish
D. Algae	Larva of mosquito	Fish



[Watch Video Solution](#)

6. Which of the following option is correct for decomposers feeding on dead organism ?

Bacteria	Fungi	Virus
A. No	Yes	Yes
B. Yes	No	Yes
C. Yes	Yes	No
D. Yes	Yes	Yes



[Watch Video Solution](#)

7. In an ecosystem...

A. unidirectional flow of both energy and nutrients

B. cyclic flow of both energy and nutrients

C. cyclic flow of energy and unidirectional flow of nutrients.

D. unidirectional flow of energy and cyclic flow of nutrients.

Answer:



Watch Video Solution

8. A rat is in which category of consumer animals ?

A. Herbivores

B. Carnivores

C. Omnivores

D. Decomposer

Answer:



Watch Video Solution

9. Which of the following problem is a result of man-made activities?

A. Breaking food chain due to

deforestation

B. Global warming

C. Depletion of ozone layer

D. All of the given

Answer:



Watch Video Solution

10. In an ecosystem third trophic level is always occupied by which animals?

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

Answer:



Watch Video Solution

11. In the agricultural farm with wheat crop. snake. peacock. kite. rat. etc. occur in food chain. Pesticides are spray regular time interval. Which of the following animal has lowest concentration of pesticides?

A. Snake

B. Rat

C. Kite

D. Peacock

Answer:





12. Which of the following statement is wrong in case of food chain?

A. Decomposers can derive their food from all other nutritional substances except producers

B. The one which are not producers are consumers.

C. More energy is available at lower trophic levels.

D. One organism may be associated with more than one food chain

Answer:



Watch Video Solution

13. Which of the following is an example of biodegradable waste?

A. Vegetables or fruits

B. Glass

C. Plastic

D. Metal

Answer:



Watch Video Solution

14. Which of the following is an example of non- biodegradable waste? a.Fruits
b.Vegetables c.Paper d.Polythene

A. Fruits

B. Vegetables

C. Paper

D. Polythene

Answer:



Watch Video Solution

15. Ecosystem is an interacting system made up of... a.organisms and their physical surroundings b.producers and consumers

c.producers and their physical surroundings

d.consumers and their physical surroundings

A. organisms and their physical surroundings

B. producers and consumers

C. producers and their physical surroundings

D. consumers and their physical surroundings

Answer:



Watch Video Solution

16. What is being formed due to entry of harmful chemical in food chain?

- A. Bioequilibrium
- B. Eutrophication
- C. Biological magnification
- D. Biological regulation

Answer:



17. What is formed by interdependent organisms to each other for their nutrition? a. Biosphere b. Food chain c. Ecosystem d. Environment

A. Biosphere

B. Food chain

C. Ecosystem

D. Environment

Answer:



Watch Video Solution

18. In food chain. organisms which synthesise carbohydrates by the conversion of radiant energy are called....

- a.primary producers
- b.primary consumers
- c.primary carnivores
- d.primary decomposers

A. primary producers

B. primary consumers

C. primary carnivores

D. primary decomposers

Answer:



Watch Video Solution

19. In the food chain comprising of a frog. snake. grass. grasshopper. which organisms is at third trophic level in it? a.Snake b.Frog c.Grass d.Grasshopper

A. Snake

B. Frog

C. Grass

D. Grasshopper

Answer:



Watch Video Solution

20. An ecosystem has producers, herbivores and carnivores but without which of the following it is not complete? a. Secondary carnivores

b.Higher

carnivores

c.Omnivores

d.Decomposers

A. Secondary carnivores

B. Higher carnivores

C. Omnivores

D. Decomposers

Answer:



Watch Video Solution

21. Which trophic level has highest energy in an ecosystem? a.Producers b.Herbivores c.Primary carnivores d.Higher carnivores

A. Producers

B. Herbivores

C. Primary carnivores

D. Higher carnivores

Answer:



Watch Video Solution

22. Which trophic level, lowest energy available in an ecosystem? a.Producer b.Herbivores c.Carnivores d.Decomposers

A. Producer

B. Herbivores

C. Carnivores

D. Decomposers

Answer:



Watch Video Solution

23. Which of the following is wrong statement ?

a. All green plants and blue- green algae are producers. b.Green plants derived their food from organic compounds c.Producers synthesise their food by using inorganic elements d.Green plants transformed solar energy into chemical energy.

A. All green plants and blue- green algae are producers.

B. Green plants derived their food from organic compounds

C. Producers synthesise their food by using inorganic elements

D. Green plants transformed solar energy into chemical energy.

Answer:



Watch Video Solution

24. What is the role of decomposers in an ecosystem?

A. Converts inorganic elements in simple form

B. Converts organic compound in inorganic elements

C. Converts inorganic elements in organic compounds

D. Both B and C

Answer:



Watch Video Solution

25. Which of the following constitute a food chain ?

- A. Grass. wheat and mango
- B. Grass. goat and human
- C. Goat. cow and elephant
- D. Grass. fish and goat

Answer:



Watch Video Solution

26. Which of the following are environment friendly practices?

A. Carrying cloth-bags to purchases in while shopping.

B. Switching off unnecessary lights and fans

C. Use reusable razors, nappies and pens.

D. All of the given

Answer:



Watch Video Solution

27. When frog uses grasshopper as food, then energy flow occurs from ...

- a. producer to decomposer
- b. producer to primary consumer.
- c. primary consumer to secondary consumer.
- d. primary carnivores to higher carnivores

A. producer to decomposer

B. producer to primary consumer.

C. primary consumer to secondary consumer.

D. primary carnivores to higher carnivores

Answer:



Watch Video Solution

28. Statement X:Decomposers satisfy their energy requirement directly from producers.

Statement Y : The amount of available energy in an ecosystem depends on the rate of photosynthesis carried out by the producers.

Which option is correct for statements X and Y? a. X and Y both correct b.X and Y both incorrect. c.X correct and Y incorrect. d.X incorrect and Y correct.

A. X and Y both correct

B. X and Y both incorrect.

C. X correct and Y incorrect.

D. X incorrect and Y correct.

Answer:



Watch Video Solution

29. Statement X: Reduction in number of prey ultimately results in reduction of the number of predator.

Statement Y : Ozone layer absorbs harmful ultraviolet radiations.

Which option is correct for statements X and Y ?
a.X and Y both correct. b.X and Y both incorrect
c.X correct and Y incorrect. d.X incorrect and Y correct.

A. X and Y both correct.

B. X and Y both incorrect

C. X correct and Y incorrect.

D. X incorrect and Y correct.

Answer:



Watch Video Solution

30. Usually green plants are at first level in an ecosystem because... a.they are widely spread on this earth. b.they are fixed at one place in soil. c.they synthesise food with the help of sunlight. d.herbivores are more than carnivores

A. they are widely spread on this earth.

B. they are fixed at one place in soil.

C. they synthesise food with the help of sunlight.

D. herbivores are more than carnivores

Answer:



Watch Video Solution

31. Which is the correct statement regarding food chain ? a.All consumers are not producers. b.More energy is available at lower trophic levels. c.One organism may be involved in more than one food chain. d.All of the given

A. All consumers are not producers.

B. More energy is available at lower trophic levels.

C. One organism may be involved in more than one food chain.

D. All of the given

Answer:



Watch Video Solution

32. Which organism is more affected by biological magnification problem arising due to entry of DDT in pond ecosystem ? a.Man
b.Birds habitat near the pond c.Fishes in pond
d.Aquatic plants in pond

A. Man

B. Birds habitat near the pond

C. Fishes in pond

D. Aquatic plants in pond

Answer:



Watch Video Solution

33. Which of the following groups have only non- biodegradable components?

1. wood, paper, leather

2. polythene, detergent, PVC

3. plastic, detergent, glass

4. plastic, grass, animal dung a. 3 b. 4 c. 1 and 3

d. 2 and 3

A. 3

B. 4

C. 1 and 3

D. 2 and 3

Answer:



Watch Video Solution

34. By whom the number of organisms are limited at trophic level of food chain? a.Less availability of energy at higher trophic level
b.Sufficient food supply c.Polluted air d.Water

- A. Less availability of energy at higher trophic level
- B. Sufficient food supply
- C. Polluted air
- D. Water

Answer:



Watch Video Solution

35. In which category does the human beings fall in an ecosystem?

A. Herbivores

B. Carnivores

C. Decomposers

D. Omnivores

Answer:



Watch Video Solution

Objective Questions And Answers Answer As Directed Miscellaneous

1. Give the full form of: CFCs. UNEP



[Watch Video Solution](#)

2. Use of disposable plastic plates should be prevented because... (Complete the sentence.)



[Watch Video Solution](#)

3. Find correct sequence for food chain

I. Producers → decomposers → herbivores

II. Producers → herbivores → herbivores
→ carnivores

III. Decomposers → producers →
herbivores

IV. Producers → herbivores →
decomposers → carnivores → omnivores



[Watch Video Solution](#)

4. Who am I ?

I am a product of oxygen under the influence of UV radiation and I absorb UV rays.



[Watch Video Solution](#)

5. Select the mismatched pair in the following and correct it.

I. Parasite - Consumers which obtain liquid food nutrients from host organisms.

II. Agro-ecosystem - A man-made ecosystem

III. UV radiation- Causes skin cancer in human beings.

IV: Ecosystem - Physical components of environment.



[Watch Video Solution](#)

6. When a population of animal 'X' is introduced into the biotic community of an ecosystem, the number of lions increased while the number of deer decreased. Which is correct option for animal 'X'?



[Watch Video Solution](#)

7. Among the following, which have posed a threat to the environment ?

Body spray. bacteria. aerosols. CFCs, wild grass.



[Watch Video Solution](#)

8. A food chain comprising hawk. snake. paddy and mice. If 15,000 J of energy available to mice then how much energy will be in paddy and how much energy will be available to hawk.



[Watch Video Solution](#)

9. Smallest energy transfer: secondary consumers to tertiary consumers:
largest energy transfer



[Watch Video Solution](#)

10. In which unit is amount of atmospheric ozone expressed?



[Watch Video Solution](#)

Value Based Questions With Answers

1. Improvement in our lifestyle have resulted in generation of greater amount of waste material. We use more and more disposable things due to our changed lifestyle and wrong attitude.

Name the two factors that have contributed to the deterioration of our environment.



[Watch Video Solution](#)

2. Improvement in our lifestyle have resulted in generation of greater amount of waste material. We use more and more disposable things due to our changed lifestyle and wrong attitude.

Why do we generate lot of waste now-a- days?



Watch Video Solution

3. Improvement in our lifestyle have resulted in generation of greater amount of waste

material. We use more and more disposable things due to our changed lifestyle and wrong attitude.

Why most of the wastes from our homes contain more and more non-biodegradable substances?



[Watch Video Solution](#)

4. Advanced agricultural practice leads to excessive use of fertilisers, pesticides and irrigation. Use of such agricultural products

can cause some health issues in human beings. Uncontrolled use of chemicals can also cause adverse effect on our environment.

Name the ecological process involved in the above case.



[Watch Video Solution](#)

5. Advanced agricultural practice leads to excessive use of fertilisers, pesticides and irrigation. Use of such agricultural products can cause some health issues in human

beings. Uncontrolled use of chemicals can also cause adverse effect on our environment.

How is soil affected by this phenomena?



[Watch Video Solution](#)

6. Advanced agricultural practice leads to excessive use of fertilisers, pesticides and irrigation. Use of such agricultural products can cause some health issues in human beings. Uncontrolled use of chemicals can also cause adverse effect on our environment.

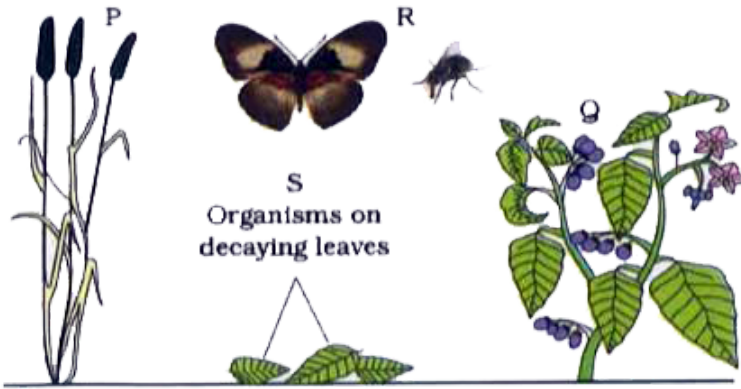
Why is pesticide persist for long time in an environment?



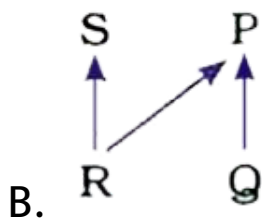
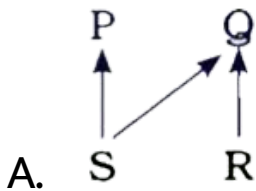
[Watch Video Solution](#)

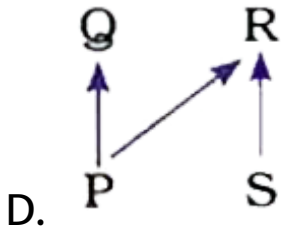
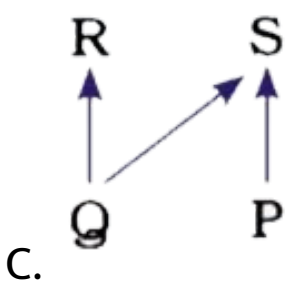
Practical Skill Based Questions With Answers

1. The diagram shows the organisms in a habitat



Which of the following indicates the correct feeding relationships of these organisms shown by four students?





Answer:

 [Watch Video Solution](#)

2. A man consumed curd or buttermilk after meal which help in the process of digestion.

Milk is fermented into curd by Lactobacillus bacteria. Imagine a food chain and state the category of Lactobacillus and human.



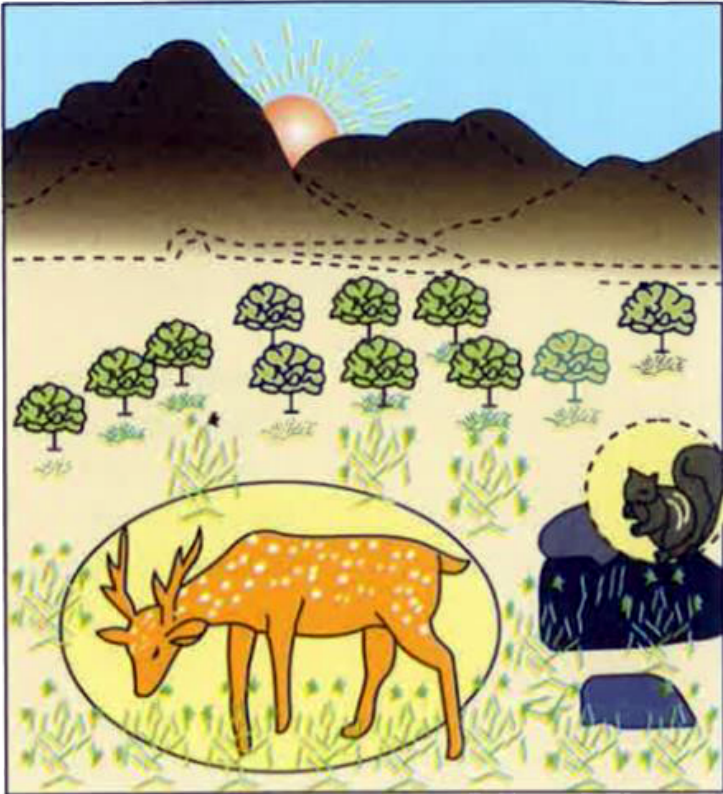
[Watch Video Solution](#)

3. Instead of curd. if we use milk than which trophic level is occupied by us?



[Watch Video Solution](#)

4. Observe the picture carefully and answer the following questions:



(1) State the category according to the food eaten by encircled organisms.

(2) State the trophic level observed in the

picture.

(3) State two abiotic components of an environment.

(4) Which is an important process of an ecosystem observed in a picture?



Watch Video Solution