



# BIOLOGY

## BOOKS - PREMIERS PUBLISHERS

### ENVIRONMENTAL MANAGEMENT

#### Textbook Evaluation Fill In The Blanks

1. Deforestation leads to \_\_\_\_\_ in rainfall.



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2. Removal of soil particles from the land is called \_\_\_\_\_.



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3. Chipko movement is initiated against \_\_\_\_\_.



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4. \_\_\_\_\_ is a biosphere reserve in Tamilnadu.



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5. Tidal energy is \_\_\_\_\_ type of energy.



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6. Coal, petroleum and natural gas are called \_\_\_\_\_ fuels.



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7. \_\_\_\_\_ is the most commonly used fuel for the production of electricity.



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**Textbook Evaluation State Whether True Of False  
Correct The Statements Which Are False**

1. Biogas is fossil fuel.



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2. Planting trees increases the ground water level.



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3. Habitat destruction causes loss of wild life.



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4. Nuclear energy is a renewable energy.



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5. Overgrazing prevents soil erosion.



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6. Poaching of wild animals is a legal act.



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7. National park is a protected park.



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**8. Wild life protection act was established in 1972.**



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**Textbook Evaluation Match The Following**

# 1. Match the following :

Column I		Column II	
A	Soil erosion	(i)	energy saving
B	Bio gas	(ii)	acid rain
C	Natural gas	(iii)	removal of vegetation
D	Green house gas	(iv)	renewable energy

E	CFL bulbs	(v)	CO <sub>2</sub>
F	Wind	(vi)	non-renewable energy
G	Solid waste	(vii)	lead and heavy metals



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**Textbook Evaluation Choose The Correct Answer**

1. Which of the following is/are a fossil fuel ?

i. Tar ii. Coal iii. Petroleum



A. (i) only.

B. (i) and (ii)

C. (ii) and (iii)

D. (i), (ii) and (iii)

**Answer: C**



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**2. What are the steps will you adopt for better waste management ?**

A. reduce the amount of waste formed

B. reuse the waste

C. recycle the waste

D. all of the above

**Answer: D**



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**3. The gas released from vehicles exhaust are**

i. Carbon monoxide

ii. Sulphur dioxide

iii. Oxides of nitrogen

A. (i) and (ii)

B. (i) and (iii)

C. (ii) and (iii)

D. (i), (ii) and (iii)

**Answer: B**



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4. Soil erosion can be prevented by

A. deforestation

B. afforestation

C. over growing

D. removal of vegetation

**Answer: B**



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5. A renewable source of energy is

A. petroleum

B. coal

C. nuclear fuel

D. trees

**Answer: D**



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6. Soil erosion is more where there is .....

A. no rain fall

B. low rainfall

C. rain fall is high

D. none of these

**Answer: C**



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7. An inexhaustible resources is.....

A. wind power

B. soil fertility

C. wild life

D. all of the above

**Answer: D**



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8. Common energy source in village is

A. electricity

B. coal

C. biogas

D. wood and animal dung

**Answer: D**



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9. Green house effect refers to

- A. cooling of earth
- B. trapping of UV rays
- C. cultivation of plants
- D. warming of earth

**Answer: D**



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10. A cheap, conventional , commerical and inexhaustible source of energy is

A. hydropower

B. solar energy

C. wind energy

D. thermal energy

**Answer: C**



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**11. Global warming will cause**

A. rainse in level of oceans

B. melting of glaciers

C. sinking of islands

D. all of these

**Answer: D**



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12. Which of the following statement is wrong with respect to wind energy ?

A. wind energy is a renewable energy

B. the blades of wind mill are operated with the help of electric motor

C. production of wind energ is pollution free

D. usage of wind energy can reduce the consumption of fossil fuels.

**Answer: B**



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## **Textbook Evaluation Answer In A Sentence**

**1. What will happen if trees are cut down ?**



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2. What would happen if the habitat of wild animals of disturbed ?



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3. What are the agents of soil erosion ?



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4. Why fossil fuels are to be conserved?



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5. Solar energy is a renewable energy. How?



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6. How are e-wastes generated?



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**Textbook Evaluation Short Answer Questions**

1. What is the importance of rainwater harvesting?



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2. What are the advantages of using biogas?



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3. What are the environmental effect caused by sewage?





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4. What are the consequences of deforestation?



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## Textbook Evaluation Long Answer Questions

1. How does rainwater harvesting structures recharge ground water?





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2. How will you prevent soil erosion?



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3. What are the sources of solid wastes? How are solid wastes managed?



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4. Enumerate the importance of forest.



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5. What are the consequences of soil erosion ?



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6. Why is the management of forest and wildlife resource considered as a challenging task?



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## Textbook Evaluation Assertion And Reason

1. Assertion: Rainwater harvesting is to collect and store rain water.

Reason: Rain water can be directed to recharge the underground water source.

A. Both Assertion and Reason are true and Reason is correct explanation of Assertion.

B. Both Assertion and Reason are true

Reason is not the correct explanation of

Assertion.

C. Assertion is true but Reason is false.

D. Both Assertion and Reason are false.

**Answer: A**



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2. Assertion: Energy efficient bulbs like CFL must be used to save electric energy.

Reason: CFL bulbs are costlier than ordinary bulbs, hence using ordinary bulbs can save our money.

A. Both Assertion and Reason are true and Reason is correct explanation of Assertion.

B. Both Assertion and Reason are true Reason is not the correct explanation of

Assertion.

C. Assertion is true but Reason is false.

D. Both Assertion and Reason are false.

**Answer: B**



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**Textbook Evaluation Higher Order Thinking Skills**

**Hots**

1. Although coal and petroleum are produced by degradation of biomass, yet we need to conserve them. Why?



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2. What are the objectives for replacing non-conventional energy resources from conventional energy resources?



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3. Why is the Government imposing ban on the use of polythene bags and plastics? Suggest alternatives. How is this ban likely to improve the environment?



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## **Textbook Evaluation Value Based Questions**

1. Why is it not possible to use solar cells to meet our energy needs? State three reason to support to your answer.



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2. How would you dispose the Domestic waste like vegetable peels .Can the disposal protect the environment ? How ?



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3. How would you dispose the Industrial wastes like metallic cans. Can the disposal protect the environment ? How ?





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4. List any three activities based on 3R approach to conserve natural resources.



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**Other Important Questions Answers Choose The Correct Answers**

1. The best way to dispose waste is by:

A. Making a paste for all domestic waste and putting them in a river.

B. Separating biodegradable and non biodegradable before disposing in bins.

C. Throw the waste on round side

D. Dumping all domestic waste in better bin.

**Answer: B**



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2. Disposable plastic plates should not be used because:

A. They are made of materials with light weight

B. They are made of toxic materials.

C. They are made of biodegradable materials.

D. They are made of non-biodegradable materials.

**Answer: D**



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**3. Chipko Andolan is associated with**

- A. Protesting against pasting of posters on walls.
- B. Saving money
- C. Using more postal stamps.
- D. Saving trees.

**Answer: D**



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**4. Wild life includes:**

- A. Wild animals only
- B. Wild plants only
- C. Wild plants and animals
- D. All plants and animals

**Answer: D**



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5. Conservation of wild life includes:

A. Preventing poaching of animals

B. Construction of National parks,  
Sanctuaries

C. Ban on trading endangered species

D. All the above

**Answer: D**





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6. Select the eco-friendly activity among the following:

A. Using car for transporatation.

B. Using polubags for shopping

C. Using dyes for colouring clothes

D. Using windmills to generate power for  
irrigation

**Answer: D**



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7. Pick the right combination of terms which has no fossil fuel.

A. Wind, Ocean, Coal

B. Kerosene, Wind, tide

C. Wind, Wood, Sun

D. Petroleum, Wood, sun

**Answer: C**



8. Ground water will not be depleted due to:

A. Afforestation

B. Thermal power plants

C. Loss of forest and decreased rainfall

D. Cropping of high water demanding  
crops

**Answer: A**



9. Select the wrong statement:

- A. Forests provide variety of products
- B. Forests have greater plant diversity
- C. Forests do not conserve soil
- D. Forests conserve water

**Answer: C**



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**10.** The important messages conveyed by the 'chipko movement' is:

A. To improve the community in forest conservation efforts.

B. To ignore the community in forest conservation efforts.

C. To cut down forest trees for developmental activities.

D. Preserves the natural ecosystem in the area.

**Answer: A**



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## Other Important Questions Answers Fill In The Blanks

1. Automobiles are largest source of .....  
Pollution in cities.



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2. The first movement against tree felling was fought in Chamli district name .....



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3. The first National Park to be established in India was \_\_\_\_\_



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4. Removal of upper layer of soil by wind and water is called \_\_\_\_\_ .



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5. The white marble of ..... Became yellow due to air pollution.



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6. Arrangement of many solar cells side by side connected to each other is called \_\_\_\_\_.



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7. Gas produced by the decomposition of animal and plant waste in the absence of oxygen is .....



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**8.** The fuel extracted by a technique called.....

From the rock.



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**9.** The world's largest and tallest wind turbine

in \_\_\_\_\_.



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10. .... Dam is constructed by king karikala chola.



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## Other Important Questions Answers Assertion And Reason

1. Assertion (A): Natural habitats of plants and animals should not be destroyed.

Reason ( R ): This is necessary for the conservation of biotic resources.

A. Both Assertion and Reason are true and Reason is correct explanation of Assertion.

B. Both assertion and reason are true but reason is not the correct explanation of assertion .

C. Assertion is true but reason is false .

D. Both assertion and reason are false

**Answer:**



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2. Assertion (A): To prevent hunting is not wildlife conservation in the real sense.

Reason ( R ): Some animals may multiply to the extent that they exhaust the food supply.

A. Both Assertion and Reason are true and

Reason is correct explanation of

Assertion.

B. Both assertion and reason are true but

reason is not the correct explanation of

assertion .

C. Assertion is true but reason is false .

D. Both assertion and reason are false

**Answer:**



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**Other Important Questions Answers Match The Following**

# 1. Match the following :

Column I		Column II	
A	Gorani	(i)	e-Waste
B	Cadmium	(ii)	Wild life photographer
C	WWF	(iii)	Collect rain water in pond
D	Rathika	(iv)	One horned rhino
E	Indian Rhino vision 2020	(v)	World wild life fund



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Other Important Questions Answers State  
Whether True Of False Correct The Statements  
Which Are False

1. The devices used for harnessing sun energy is wind mill.



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2. Liquefied petroleum gas is obtained from petroleum.



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**3.** Harnessing the energy from flowing water to produce electricity is hydro power.



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**4.** 12% of e-wastes are from computer components.



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**5.** LED bulbs consume more electrical energy.



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## Other Important Questions Answers Answer In A Word Or Sentence

1. Define Conservation .



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2. What are the ways to sustain our resources?



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3. Suggest any two activities in daily life which are eco-friendly.



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4. Name four substances that can be recycled.



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5. List any two common methods by which solid wastes of urban areas are disposed off.



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**6. What is Chipko movement?**



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**7. Give the reason for decline in wildlife population.**



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1. Why should we conserve forests and wild life?



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2. How can you as an individual contribute to the management of coal and petroleum.



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3. Name the organisation involved in wild life conservation.



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4. Name any two wild life conservation initiatives in India.



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5. Write the uses of solar cells.



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**6. What are the advantages of solar energy?**



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**7. What is the aim of wild life conservation?**



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8. Give the various steps to conserve non-renewable resource.



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9. Write a note on shale gas. Explain the environment impact of shale gas.



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[Other Important Questions](#) [Answers](#) [Long Answers](#) [Questions](#)



1. What is Tidal energy? What are its advantages?



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2. Explain biological methods of waste water treatment.



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[Other](#) [Important](#) [Questions](#) [Answers](#) [Hot](#)  
[Questions](#)

1. There are certain NGOs which ask people to donate their used clothes, toys, school books, house hold items. These NGOs segregate the collected items and distribute them to the needy people. What objectives do these NGOs fulfil by this initiatives.?



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2. An environmentalist on your visit to your school suggested the use of 3R's to same the

environment. Explain the 3R's.



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## Other Important Questions Answers Value Based Question

1. The over exploitation of natural resources leads to decline of natural resources. What will be the effects decline of natural resources.



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2. The over exploitation of natural resources leads to decline of natural resources. How can be prevent it?



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