



# BIOLOGY

## NCERT - NCERT Biology(Tamil)

### 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 True Or 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 Matching The Following**

## 1. Match the following columns

- |                    |                         |
|--------------------|-------------------------|
| 1. Soil erosion    | - energy saving         |
| 2. Bio gas         | - acid rain             |
| 3. Natural gas     | - removal of vegetation |
| 4. Green house gas | - renewable energy      |
| 5. CFL bulbs       | - CO <sub>2</sub>       |
| 6. Wind            | - non-renewable energy  |
| 7. Solid waste     | - 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:**



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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:**



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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:**



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4. Soil erosion can be prevented by

A. deforestation

B. afforestation

C. over growing

D. removal of vegetation

**Answer:**



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5. A renewable source of energy is

A. petroleum

B. coa

C. nuclear fuel

D. trees

**Answer:**



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

A. no rain fall

B. low rainfall

C. rain fal is high

D. none of these

**Answer:**



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7. An inexhaustible resources is.....

A. wind power

B. soil fertility

C. wild life

D. all of the above

**Answer:**



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8. Common energy source in village is

A. electricity

B. coal

C. biogas

D. wood and animal dung

**Answer:**



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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:**



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

A. hydropower

B. solar energy is

C. wind energy

D. thermal energy

**Answer:**



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11. Global warming will cause

A. raise in level of oceans

B. melting of glaciers

C. sinking of islands

D. al of these

**Answer:**



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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 energy is pollution free

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

**Answer:**



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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 Reasoning

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 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: 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 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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## **Textbook Evaluation 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 reasons to support your answer.



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2. How would you dispose the following wastes?

a. Domestic wastes like vegetable peels

b. Industrial wastes like metallic cans

Can the disposal protect the environment?

How?



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



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