



***Pre activity. Unscrambled the given words.**

- 1.ksorc
- 2.nus
- 3.stfoers
- 4.mlania
- 5.ocal

***Key words.**

Biotic, abiotic, fossil fuel, conservation, inexhaustible resources, tidal energy.

.Q1.Fill the blanks.

- 1 **coal and water** are used for generating electricity.
- 2.Petrol and diesel are obtained after refining **petroleum**.
- 3.Solar calculators work with the help of **solar** energy.
- 4.Moving air processes **wind** energy.

Q2. Write true or false.

1. Natural resources are made by humans. **False**
2. Forests are a source of medicinal plants. **True**
3. Using public transport will increase pollution. **False**
4. Minerals which contain metals are called ores. **True**
5. Water is used to generate hydroelectricity .**True**

Q3. Short answer questions.

1. What is human made resources?

Ans.These resources are made by humans using natural resource are called artificial or human-made resources.

2..Why should we not waste fossil fuels(coal and petroleum)

Ans.Fossil fuels are non-renewable resources and take millions of years to form. Overuse of fossil fuels will not only deplete (decreased) the resource quickly but is also very harmful for the environment.

Q4. Long answer questions.

1. How were natural resources used in earlier times?

Ans.

Early humans depended on natural resources for their survival.

- i. They used water from rivers and lakes for drinking.
- ii. They used stones as weapons for hunting and protect themselves.
- iii. They discover fire and cooked their food.

2. Write a short note on any two alternative resources of energy.

1. Ans. Alternative sources of energy are renewable sources that are easily available and less polluting. Some examples are: Solar energy, wind energy, biogas, and tidal energy.
2. **Solar energy:** Through use of solar panels, solar energy is used to power solar heater, solar lights and solar cooker.
3. **b. Tidal energy:** Energy from waves in the sea have tidal energy, and this can be used to generate electricity also.

3. How are animals used as a resource?

Ans. Animals is very useful to humans.

- i) Cows, goat and sheep are used for milk, meat, wool and leather.
- ii) Poultry like hens, ducks and geese are used for eggs, meat and feathers.
- iii) Bees are kept for many health sources like honey, beeswax and are used for pollination of crops.
- iv) Ox, buffalo and camels are used to plough fields and pull carts.

4. How can natural resources be conserved?

- Ans. a. Plant more trees and avoid felling of trees.
- b. Use public transport system and carpool to save fuel as well as reduce traffic.
 - c. Use alternative sources of electricity like solar heaters, biogas.
 - d. Do not litter and pollute forests, national parks, and water bodies.

Post activity: **Classify the following factors as biotic or abiotic.**

Monkey, wood, water, crops, soil, seeds, nails, coal.

TEACHER

HOD

COORDINATOR

PRINCIPAL