

## CH – 9 GLOBAL ENVIRONMENT

**SUGGESTION:** Always have a dictionary book or dictionary 'App' with you to know the meanings of any words.

Write the following in your notebook.

### Question-Answers:

**Q1. What is environment?**

**Ans.** It is the surroundings or conditions in which a person, animal, or plant lives or operates.

**Q2. Name two types of environment.**

**Ans.** Natural environment and Man-made environment.

**Q3. Name two living and non-living things in our natural environment.**

**Ans.** Living things – Plants and Animals.

Non-living things – Water and Rocks.

**Q4. Name the four domains of Earth.**

**Ans.** Atmosphere, Lithosphere, Hydrosphere and Biosphere.

**Q5. What is the main reason for global warming?**

**Ans.** Smoke from vehicles and factories are the major cause of increased carbon-dioxide in the air which leads to global warming.

**Q6. Differentiate between biotic and abiotic components of the environment?**

**Ans.**

ABIOTIC	BIOTIC
1. Abiotic factors are the non-living things of an ecosystem	1. Biotic factors comprise of the living things of an ecosystem.
2. Examples of the abiotic factors are sunlight, temperature, energy, the wind, water, soil, etc.	2. Examples of the biotic factors are plants, trees, animals, human beings etc.

**Q7. Mention the human activities that can change or harm the human environment.**

**Ans.** The human activities that can change or harm the human environment are:

(i) Smoke from vehicles.

(ii) Harmful chemicals from factories.

(iii) Sewage water.

(iv) Using plastics.

(v) Burning coal

**Q8. Why does Frigid Zone have delicate environment?**

**Ans.** The Frigid Zone of the Earth have low temperature throughout the year. It receives slanting rays of the sun as this region lies farthest from the equator. The low temperature in this region has resulted in the accumulation of thick ice.

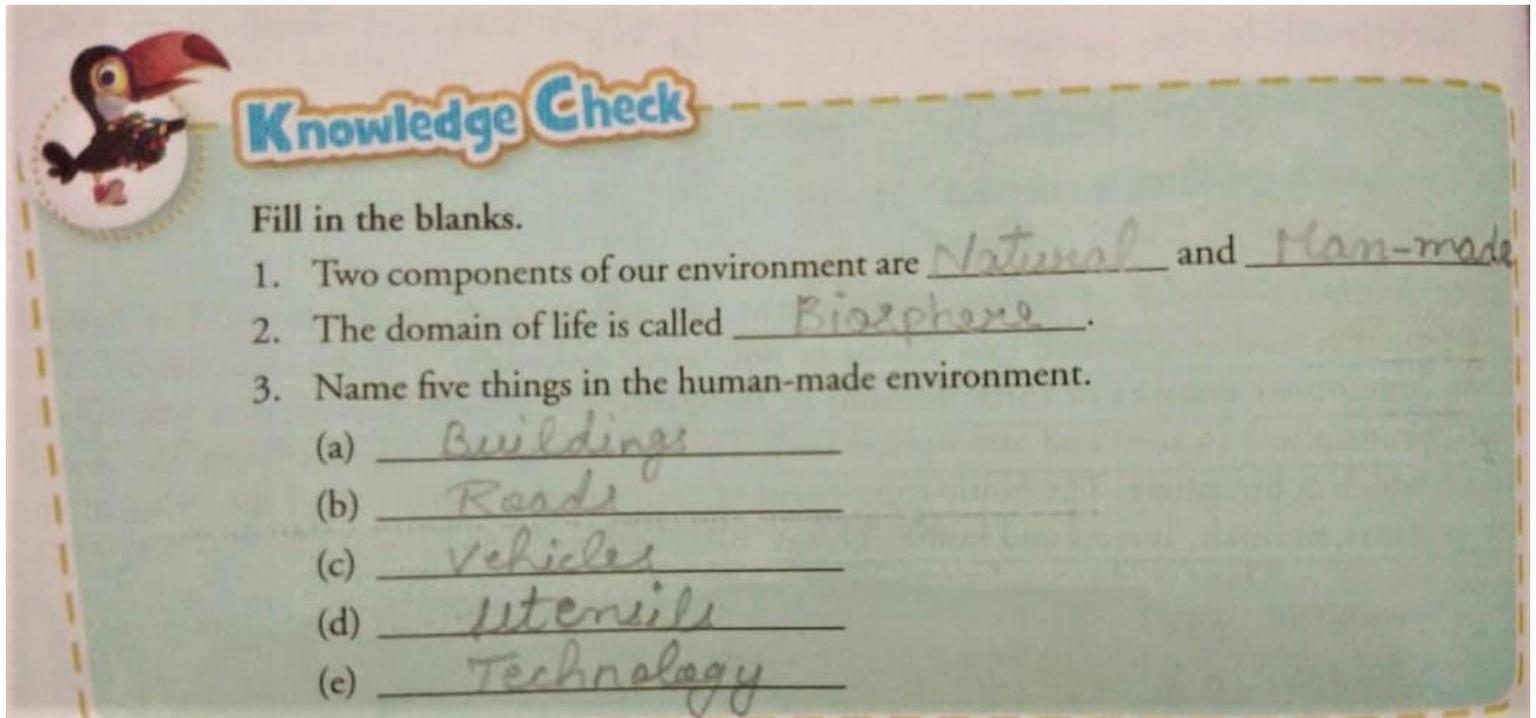
Q9. List some steps to reduce pollution on a daily basis.

Ans. Some steps to reduce pollution are:

- (i) Plant more trees.
- (ii) Use bicycles for short distances.
- (iii) Turn off all electrical appliances when not in use.
- (iv) Avoid dumping garbage on streets.
- (v) If possible, use appliances powered by solar energy.

Answer key

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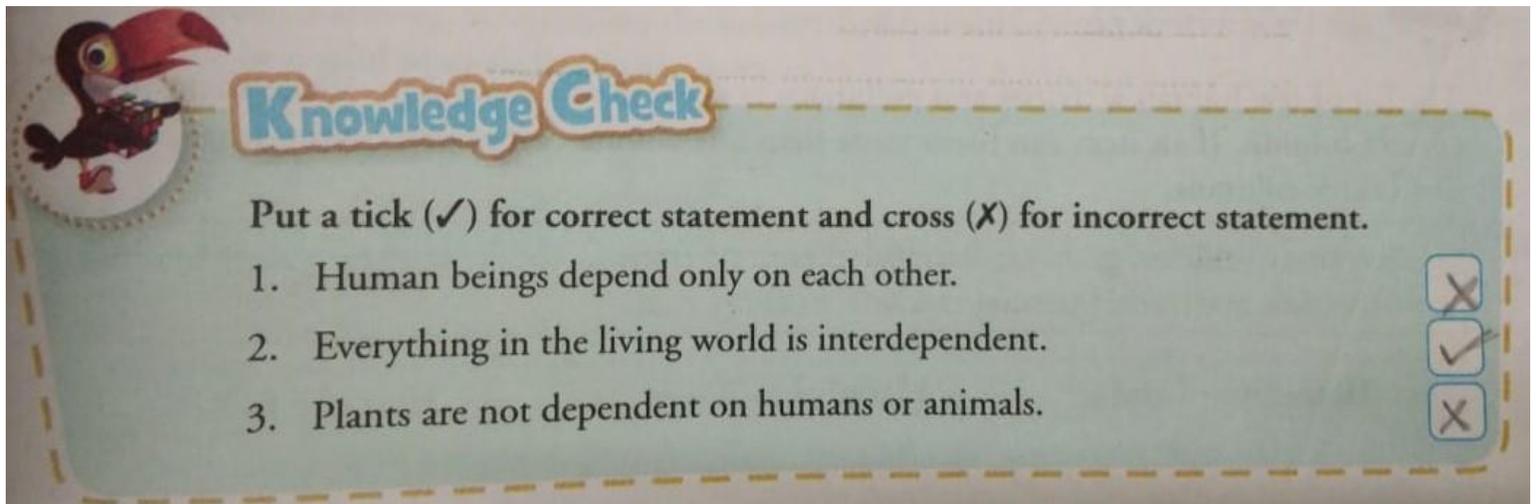


**Knowledge Check**

Fill in the blanks.

- Two components of our environment are Natural and Man-made.
- The domain of life is called Biosphere.
- Name five things in the human-made environment.
  - Buildings
  - Roads
  - Vehicles
  - Utensils
  - Technology

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**Knowledge Check**

Put a tick (✓) for correct statement and cross (X) for incorrect statement.

- Human beings depend only on each other.
- Everything in the living world is interdependent.
- Plants are not dependent on humans or animals.



## Exercise

### OBJECTIVE TYPE QUESTIONS

A. Fill in the blanks.

1. Environment refers to our surroundings.
2. The abiotic component consists of three domains.
3. The forests in Tropical Zone supply 20 per cent supply of world's oxygen.
4. Humans transform natural environment according to their Needs.
5. The level of green house gases increase with cutting of trees.

B. Write 'T' for true and 'F' for false.

1. Natural environment consist <sup>of abiotic and</sup> only the biotic components. (F)
2. Human-made components create a comfortable life for humans. (F)
3. Any change in the natural environment will have negative impact on the environment. (T)
4. Deforestation is the <sup>cutting</sup> planting of trees. (T) (F)
5. Human activities have caused changes in the climate of the Earth. (T)

### PICTURE-BASED QUESTION

Look at the images and categorise them into biotic, abiotic or human-made.

1.



human-made

2.



Biotic

3.



Biotic