

## Grade VII

### Lesson 1. Environment

#### GEOGRAPHY

#### I. Multiple choice questions

1. Which is not a natural ecosystem?
  - a) Desert
  - b) Aquarium
  - c) Forest
  - d) none of these
2. Which is not a component of human environment?
  - a) Land
  - b) Religion
  - c) Community
  - d) none of these
3. Which is a human made environment?
  - a) Mountain
  - b) Sea
  - c) Road
  - d) none of these
4. Which is a threat to environment?
  - a) Growing Plant
  - b) Growing population
  - c) Growing crops
  - d) none of these
5. Solid crust of earth is called?
  - a) Biosphere
  - b) atmosphere
  - c) Lithosphere
  - d) None of these
6. When is the World environment Day Celebrated?
  - a) 6 June
  - b) 4 June
  - c) 3 June
  - d) 5 June
7. Large-scale production was enabled by?
  - a) industrial revolution
  - b) transportation
  - c) information system
  - d) none of these
8. Natural environment consists of?
  - a) Air
  - b) Land
  - c) Animals
  - d) All of these

1. b

2. b

3. c

4. b

5. c

6. d

7. a

8. d

#### II. Multiple choice questions

i. The world Environmental Day is celebrated on

- a) 5<sup>th</sup> June
- b) 5<sup>th</sup> July
- c) 5<sup>th</sup> January
- d) 5<sup>th</sup> December



ii. This made communication easier and speedy across the world

- a) Glorious revolution
- b) Green revolution
- c) French revolution
- d) information revolution

iii. Which one is not a constituent of atmosphere?

- a) Gases
- b) Land
- c) Dust
- d) Water vapour

iv. Which is human – made component of environment?

- a) Water
- b) Land
- c) Dust
- d) Air

v. Which force of the earth holds atmosphere around it?

- a) Gravitational force
- b) Pulling force
- c) Pushing force
- d) Magnetic force

(i) a	ii) d	iii) b	iv) c	v) a
-------	-------	--------	-------	------

### III. Multiple choice questions

1. Which one of the following is a basic life support system?

- a) Music system
- b) Environment
- c) Transportation
- d) None of these

2. Which one of the following is created by nature?

- a) Cars, scooters and buses
- b) Mountains, rivers and trees
- c) Road, books, pen and copies
- d) All of these

3. The domain of water is referred to

- a) Hydrosphere
- b) Lithosphere
- c) Atmosphere
- d) All of these

4. What do plant and animal kingdom make together?

- a) Biosphere
- b) hydrosphere
- c) Atmosphere
- d) all of these

5. Which one of the following animals is called the ship of the desert?

- a) Camel
- b) Goat
- c) Cow
- d) Dogs

6. When is the world Environment Day celebrated every year?

- a) 25<sup>th</sup> December
- b) 23<sup>rd</sup> December
- c) 26<sup>th</sup> December
- d) 5<sup>th</sup> June

7. Who interact with the environment and modify it according to their needs?

- a) Human beings
- b) Animals
- c) Rivers
- d) Mountains

8. Which one of the following is not a threat to environment?

- a) Growing population
- b) Growing plants
- c) Growing industries
- d) All of these





1. b	2. b	3. a	4. a	5. a	6. d	7. a	8. b
------	------	------	------	------	------	------	------

#### IV Multiple choice questions

- Life support system among the following is :  
a) Transportation    b) Music system    c) Environment    d) Both a and b
- Abiotic component of environment is :  
a) Table    b) Water    c) Human    d) None of these
- World Environment Day is celebrated on :  
a) 5<sup>th</sup> January    b) 5<sup>th</sup> August    c) 5<sup>th</sup> June    d) None of these
- The solid crust of the earth is called:  
a) Atmosphere    b) Lithosphere    c) Hydrosphere    d) All of these
- Life bearing Layer on the earth is :  
a) Lithosphere    b) Hydrosphere    c) Atmosphere    d) Biosphere
- Which is a threat to environment ?  
a) Growing plants    b) Growing population  
c) Community    d) None of these
- Which is not a component of human environment ?  
a) Land    b) Religion    c) Community    d) All of these
- Trade in which goods are exchanged without the use of money.  
a) Barter System    b) Export trade    c) Commercial Trade    d) Eco-system

1. c	2. b	3. c	4. b	5. d	6. b	7. a	8. a
------	------	------	------	------	------	------	------

#### I Fill in the Blanks

- \_\_\_\_\_ is an irregular surface with several landforms.
- Environment means \_\_\_\_\_.
- A small pond is an example of \_\_\_\_\_.
- \_\_\_\_\_ made communication faster.
- Building forms \_\_\_\_\_ environment.

1. Lithosphere	2. neighbourhood	3. hydrosphere	4. Information revolution	5. human-made
----------------	------------------	----------------	---------------------------	---------------





## II. Fill in the Blanks

- i. The domain of water is referred to as \_\_\_\_\_.
- ii. Landforms are found over the \_\_\_\_\_ and also on the \_\_\_\_\_ floors.
- iii. Human beings interact with the \_\_\_\_\_ and modify it according to their \_\_\_\_\_.
- iv. Plant and \_\_\_\_\_ kingdom together make biosphere.
- v. \_\_\_\_\_ protects us from the harmful rays and scorching heat of the \_\_\_\_\_.

i) Hydrosphere	ii) Continents, Ocean	iii) Environment, Need	iv) Animal	v) Atmosphere, Sun
----------------	--------------------------	---------------------------	------------	-----------------------

## III. Fill in the Blanks

1. Hydrosphere is a part of \_\_\_\_\_.
2. Two main constituents of environment are \_\_\_\_\_ and \_\_\_\_\_.
3. \_\_\_\_\_ is the hard top layer of the earth.
4. \_\_\_\_\_ modify the natural environment.

1. Biosphere	2. Natural, man-made	3. Lithosphere	4. Human beings
--------------	----------------------	----------------	-----------------

## IV Fill in the Blanks

1. \_\_\_\_\_ is responsible for all weather phenomenon.
2. The domain of water is referred to as \_\_\_\_\_.
3. Two main constituents of environment are \_\_\_\_\_ and \_\_\_\_\_.
4. Lithosphere is made up of \_\_\_\_\_ and \_\_\_\_\_ is covered by a thin layer of soil.
5. Human beings interact with the \_\_\_\_\_ and modify it according to their \_\_\_\_\_.
6. \_\_\_\_\_ is the trade in which goods are exchanged without the use of money.
7. Plant and \_\_\_\_\_ kingdom together make biosphere.
8. \_\_\_\_\_ revolution has made communication easy and speedy.





1. Atmosphere	2. Hydrosphere	3. biotic, abiotic	4. rock, minerals	5. environment, need
6. barter system	7. animal	8. information		

### I. Match the following

- |                        |   |  |
|------------------------|---|--|
| 1. Biosphere           | - | a) blanket of air which surrounds the earth      |
| 2. Atmosphere          | - | b) domain of water                               |
| 3. Hydrosphere         | - | c) Our surroundings                              |
| 4. Environment         | - | d) narrow zone where land water and air interact |
| 5. Air                 | - | e) Human environment                             |
| 6. Family              | - | f) Atmosphere                                    |
| 7. Bridges             | - | g) Environment                                   |
| 8. Environment         | - | h) Human – made environment                      |
| 9. Gravitational force | - | i) Animals                                       |
| 10. Mountain           | - | j) Transportation                                |
| 11. Domesticate        | - | k) Atmosphere                                    |
| 12. Fast movement      | - | l) Ecosystem                                     |

1. d	2. a	3. b	4. c	5. f	6. e	7. h	8. g	9. k	10. l	11. i	12. j
------	------	------	------	------	------	------	------	------	-------	-------	-------

### II. Match the following

Column A	Column B
i) Lithosphere	a) Major part of water on the earth
ii) Biotic	b) The world of non-living elements
iii) Abiotic	c) Trade which goods are exchanged without money
iv) Barter system	d) The world of living organisms
v) Ocean	e) A source of mineral wealth

i) e	ii) d	iii) b	iv) c	v) a
------	-------	--------	-------	------





### III Match the following

Column A	Column B
1. Land	a) Lithosphere
2. Animals, Plants	b) Atmosphere
3. Mountain, Plateau and plains	c) Abiotic
4. Gases, water vapour, dust	d) Biotic

1. c	2. d	3. a	4. b
------	------	------	------

### I True or False

1. Biosphere contains only humans
2. Atmosphere is a domain of human-made environment.
3. Forests are a source of several resources.
4. Change in environment produces changes in weather.
5. Environment is our basic life support system

1. False	2. False	3. True	4. True	5. True
----------	----------	---------	---------	---------

### II True or False

- i). Lithosphere refers to the thin layer of air that surrounds the earth.
- ii). The changes in the atmosphere do not bring any changes in the weather and climate
- iii) Jaisalmer is a place where heavy rainfall occurs every year
- iv) There could not be an ecosystem of a small pond or lake.
- v) A perfect balance is necessary between the natural and human environment

i) False	ii) False	iii) False	iv) False	v) True
----------	-----------	------------	-----------	---------

### III True or False

1. Landforms are found only over continents
2. Trade in which goods are exchanged without the use of money is called barter system





3. Gravitational force of the earth holds the atmosphere around it.

4. No life can exist in biosphere.

5. Abiotic environment consists of living organism.

1. False	2. True	3. True	4. False	5. False
----------	---------	---------	----------	----------

### Very Short Answer Type Questions

#### 1. What is environment?

The place, people, thing and nature that surround any living organism is called environment.

#### 2. What is lithosphere?

It is the solid crust or the hard top layer of the earth. It is made of rocks and minerals and covered by a thin layer of soil.

#### 3. What are the components of lithosphere?

Lithosphere is the domain that provides us forests, grasslands for grazing, and land for agriculture and human settlements. It is a source of rich mineral wealth.

#### 4. What is hydrosphere? What does it contain?

The domain of water is called hydrosphere. It consists of various sources of water and different types of water bodies like rivers, lakes, seas, oceans etc.,

#### 5. What is atmosphere?

It is the thin layer of air that surrounds the earth. The gravitational force of the earth holds the atmosphere around it.

#### 6. How does atmosphere protect us?

It protects us from the harmful rays and scorching heat of the sun. It consists of a number of gases, dust and water vapour. The changes in the atmosphere produce changes in the weather and climate.

#### 7. What is biosphere?

Plant and animal kingdom together make biosphere or the living world. It is a narrow zone of the earth where land, water and air interact with each other to support life.





## 8. What is an ecosystem?

It is a system formed by the interaction of all living organisms with each other to support life.

## 9. What is barter system?

It is a trade in which goods are exchanged without the use of money.

---

### Short Answer Type Questions

#### 1. Give reasons.

a) **Man modifies his environment**

b) **Plants and animals depend on each other.**

a) Man modifies his environment to fulfil his needs. A balance is required between natural and human environment. Human beings must learn to live and use their environment harmoniously.

b) Plants and animals are dependent on each other for survival. The relation between them forms an ecosystem. Animals eat plants to get nutrients. Plants get manure and carbon dioxide from animals while animals obtain oxygen from plants released during photosynthesis.

#### 2. Distinguish between biotic and abiotic environment

Biotic environment is the world of living organisms while abiotic environment is the world of non-living beings. Plants and animals are a part of the biotic environment, while land is a part of the abiotic environment.

#### 3. “ All Plants, animals and human being depend on their immediate surroundings,”

**Comment.**

i) Plants, animals and human beings depend on their immediate surroundings. They are interdependent.

ii) This relation between the living organisms as well as the relation between the organisms and their surroundings form an ecosystem.

iii) There could be an ecosystem of large rain forest, grasslands, desert, mountains, lake, rivers etc.







## Long Answer Type Questions

### 1. What is the lithosphere? What is significance of lithosphere in a human life?

- i) Lithosphere is the solid crust of the hard top layer of the earth
- ii) It is made up of rocks and minerals and covered by a thin layer of soil
- iii) Lithosphere is the domain that provides us forests, grasslands for grazing, land for cultivation and human settlements.
- iv) It even provides us various minerals

### 2. How do humans interact with the environment?

Human beings interact with the environment and modify it according to their need. Early humans lead simple life and were dependent on nature. With time, humans learnt to grow crops, domesticate animals and lead a settled life. The wheel was invented, surplus food was produced, barter system emerged trade started and commerce developed. Industrial revolution enabled large scale production. Transportation made movement faster and information revolution made communication faster. Humans, thus learnt to interact with nature in a harmonious way.

---



Next Generation School

