

CLASS VII CH1 ENVIRONMENT (NCERT)

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TOPICS -

- **INTRODUCTION**
- **NATURAL ENVIRONMENT**
 - LITHOSPHERE**
 - HYDROSPHERE**
 - BIOSPHERE**
 - ATMOSPHERE**
- **WHAT IS ECOSYSTEM ?**
- **HUMAN ENVIRONMENT**



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INTRODUCTION

- **ENVIRONMENT** - place, people, things and nature that surround any living organism is called environment, it is a combination of both human made and natural phenomena i.e. biotic and abiotic conditions.



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HYDROSPHERE

Nature

LITHOSPHERE



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LIVING THINGS

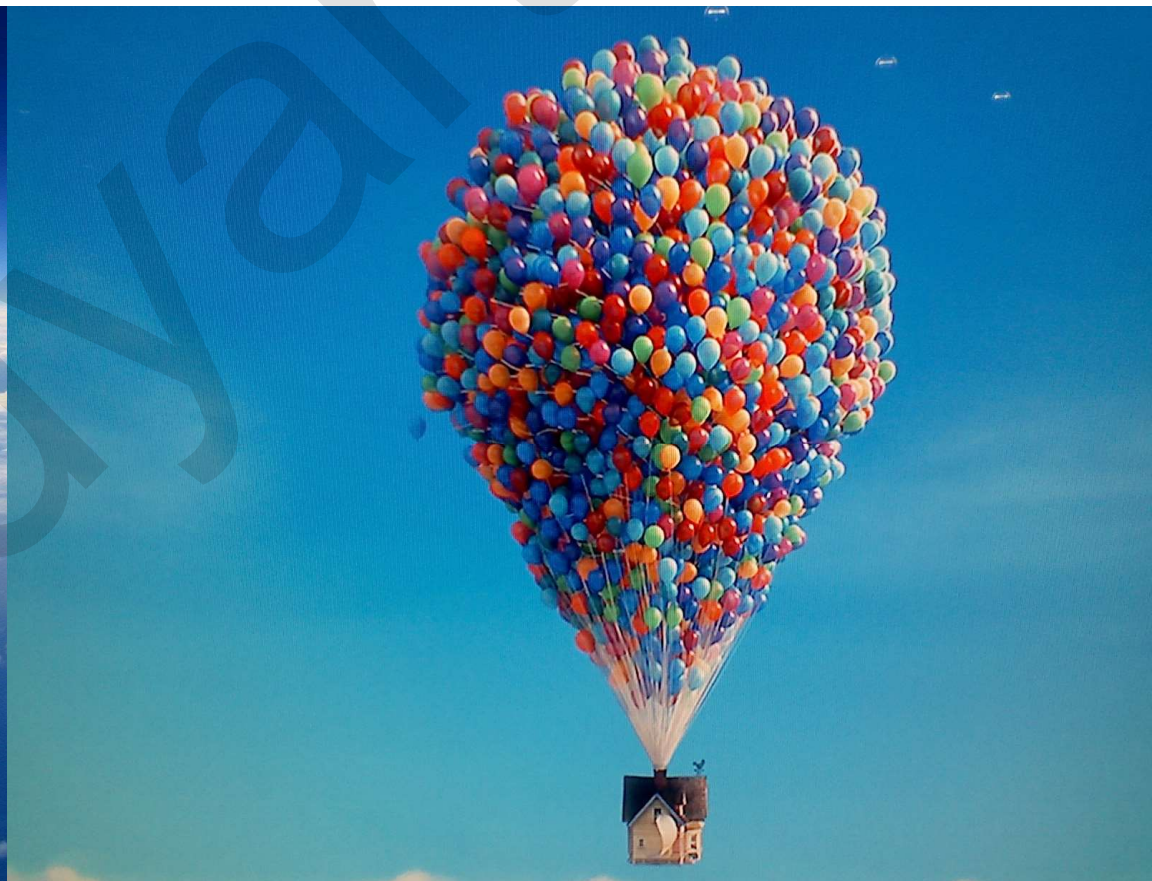


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ATMOSPHERE

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HUMAN MADE



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HUMAN

- Economy
- Religion
- Family
- Education



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STORY OF RAVI

- Digging of play ground
- Classification of environment by the teacher.
- Discussion between friends.



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NATURAL ENVIRONMENT

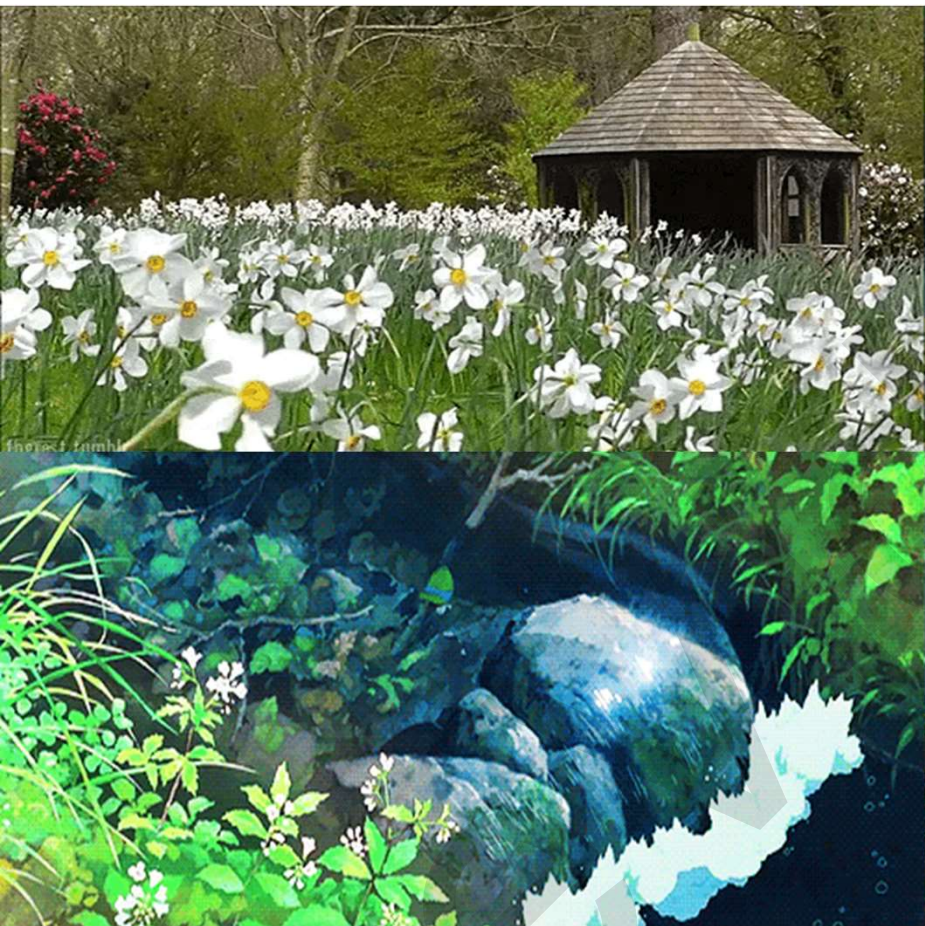
- **LAND, WATER, AIR, PLANTS AND ANIMALS COMPRISE THE NATURAL ENVIRONMENT.**

LITHOSPHERE

- Solid crust or the hard top layer of the earth.

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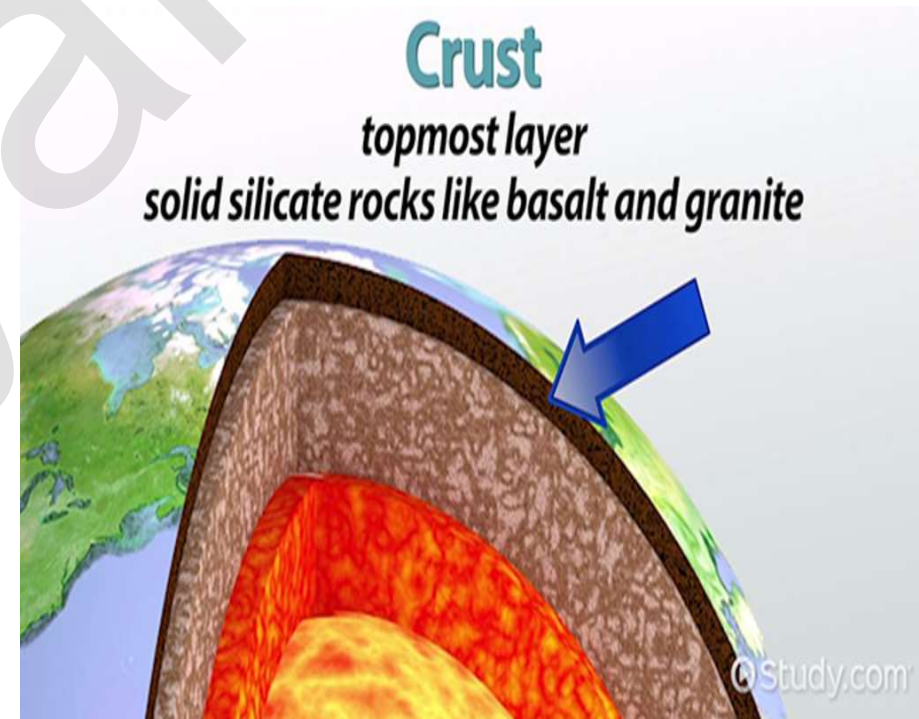


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- Made up of rocks, minerals with thin layer of the soil.
- **EXAMPLE** - mountain, plains, plateaus, valleys.
- It provides forest, grasslands for grazing, land for agriculture and source of minerals.



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FOREST

VALLEYS

PLATEAUS



GRASSLANDS

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HYDROSPHERE

- **IT INCLUDES VARIOUS SOURCES OF WATER- RIVERS, LAKES, SEAS, OCEANS ETC. (ESSENTIAL FOR EVERYONE)**

ATMOSPHERE

- **A THIN LAYER OF AIR THAT SURROUNDS THE EARTH.**



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SEAS

OCEANS

HILLS

RIVERS

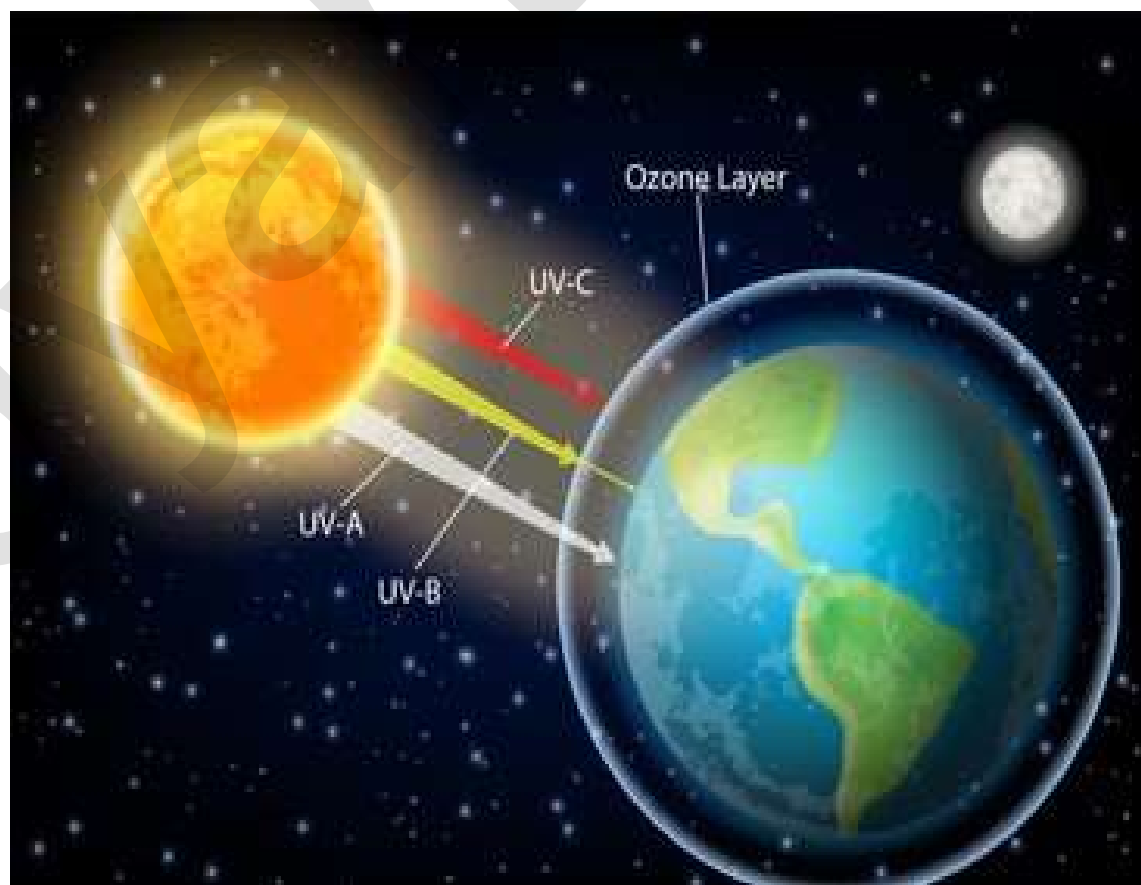


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- It protects from UV rays and scorching heat of sun.
- Changes in the atmosphere produce changes in the climate and weather.

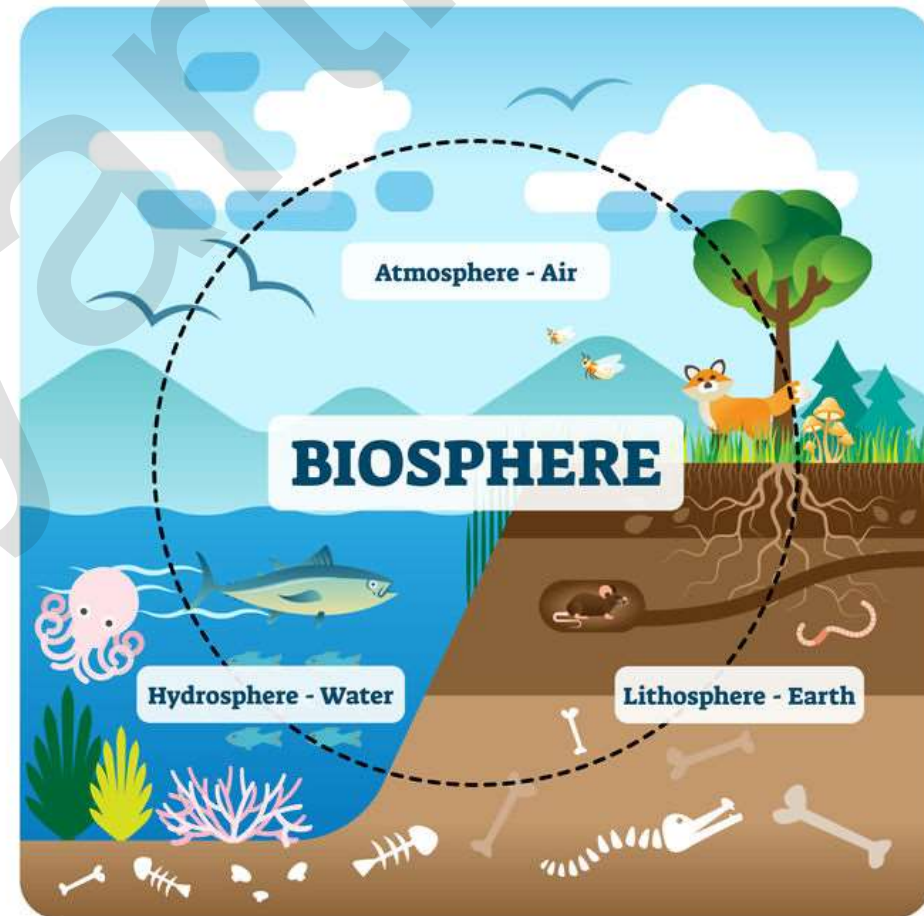


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BIOSPHERE

- **BOTH PLANTS AND ANIMALS TOGETHER MAKE BIOSPHERE.**
- Narrow zone of the earth where land water and air interact i.e. atmosphere, lithosphere, hydrosphere.



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WHAT IS ECOSYSTEM ?

- **RAVI AND HEERA** (discussion)
 - Lush greens of Kerala (Ravi)
 - Dry sandy land of Rajasthan (heera)
- **PLANTS AND ANIMALS AND HUMAN BEINGS ARE DEPENDABLE ON EACH OTHER.**



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DEPENDENT ON EACH OTHER



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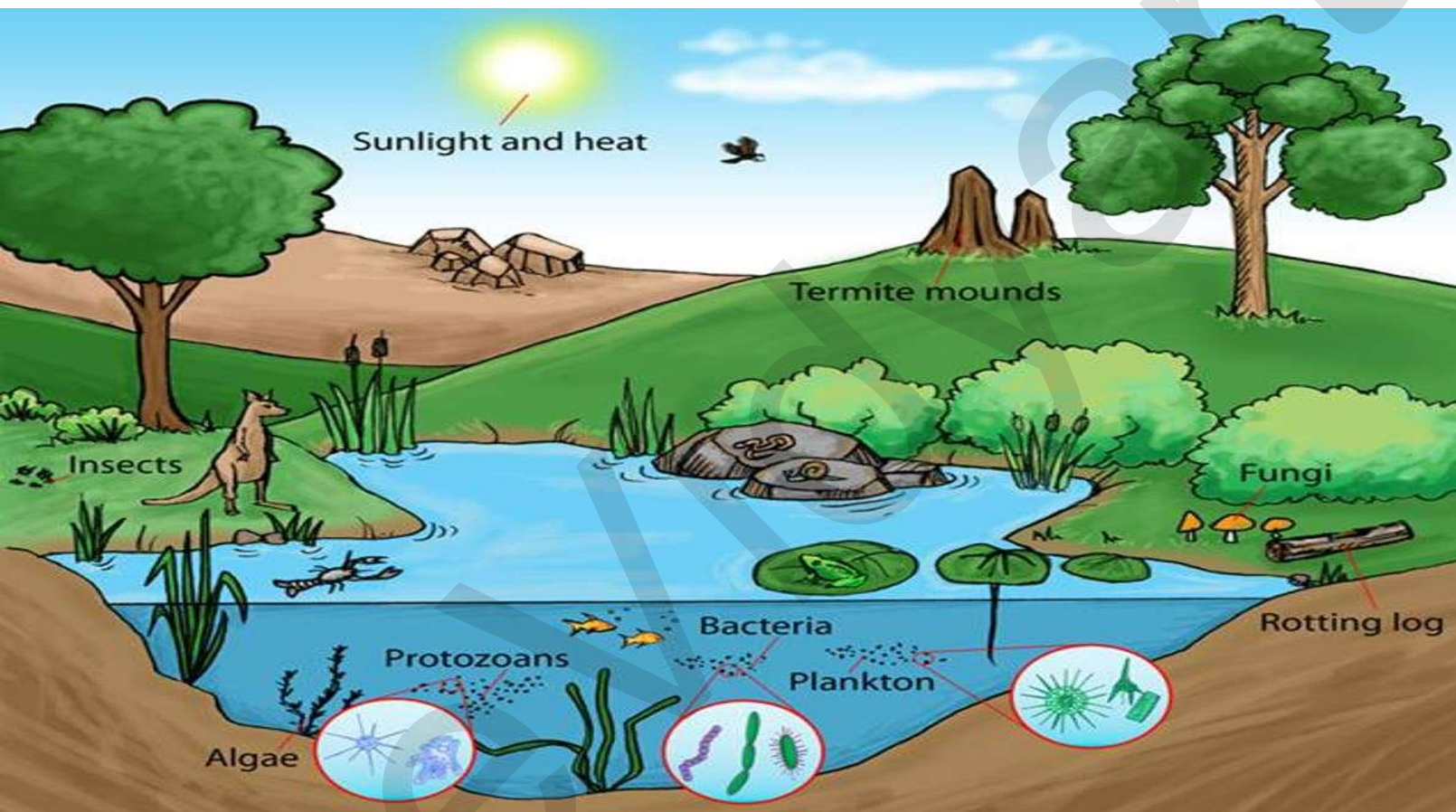
ECOSYSTEM – THE RELATIONSHIP BETWEEN THE LIVING ORGANISM AND THEIR SURROUNDING FORMS AN ECOSYSTEM.

DIFFERENT ECOSYSTEM – Forest, grasslands, forest, oceans rivers etc.

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ECO-SYSTEM

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Tropical Rainforest



Temperate Forest



Boreal Forest



Desert



Savanna



Grassland



Marine



Freshwater



Tundra

TYPES

OF

ECO-SYSTEM

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HUMAN ENVIRONMENT

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- Human beings change their environment according to their needs.
- Humans learned to grow crops, domesticate animals, barter system, industrial revolution, transportation etc came eventually.
- A perfect balance is necessary between nature and humans.



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CHANGES IN ECO-SYSTEM

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