

WELCOME TO SOCIAL SCIENCE

SUBJECT : (GEOGRAPHY)
CHAPTER NUMBER: 1
CHAPTER NAME : ENVIRONMENT

CHANGING YOUR TOMORROW

BOOK EXERSICES

ANS 1- Environment – It refers to all external conditions in which an organism lives. It comes from the french word 'environ' which means to surround. It is used to describe everything, such as places, things, People, nature etc. It also includes thing created by human beings.

ANS2- Natural environment and Human Made environment.

Ans 3- major components are Biotic and Abiotic.

Ans 4- Difference is as follows:

Physical Environment

- **1. Three major components of physical environment are the atmosphere, the lithosphere and hydrosphere.**
- **2. They are the abiotic or non-living components.**

Biological Environment

- 1. There is a narrow zone of contact between the atmosphere, the lithosphere and hydrosphere where life forms exists, this is called Biosphere.**
- 2. They are biotic or living components of the natural environment and supports plants, animals and other living organisms.**

The stages involved in a complete water cycle are:

•**Stage I: Evaporation and Transpiration** The sun's energy heats up the lakes, rivers, oceans, swamps and other water bodies which subsequently increase the temperature of the water present in them. Consequently, some water evaporates as vapour into the air. The rising air currents take the vapour up in the sky. Simultaneously, plants and trees also lose water to the atmosphere in the form of vapour which rises up in the sky.

•**Stage II: Condensation** As the vapours rise high, the cooler temperatures make them cool down and turn back into liquid – [condensation](#). Wind and air currents move the moisture around, leading to the formation of clouds.

•**Stage III: Precipitation** Wind movements cause the clouds particles to collide. As they become water laden, they develop into rain bearing clouds and fall back onto the earth's surface by the process known as precipitation. This may occur in the form of rain, hail, snow or sleet depending upon the temperature conditions.



- **Ans8. Human beings from the early times have been interacting with the environment and modifying it according to their needs. Early humans adapted themselves to the natural surroundings. They led a simple life and fulfilled their requirements from the nature around them. But their needs kept on increasing. They became varied also. To fulfill these varied needs, humans learnt to grow crops, tamed animals and began a settled life. The wheel was invented, surplus food was produced, barter system emerged, trade started and commerce developed. Industrial revolution made possible large scale production. By and by transportation became faster. Information revolution made communication easier and speedy across the world. In this way human beings adapted to the environment in order to fulfill their needs.**

Ans 9.

Some issues are:

- 1. Over-population.**
- 2. Pollution – air, water, land and noise pollution.**
- 3. Deforestation**
- 4. Poaching**

Ans 10:-

With a passage of time, humans started changing the natural environment to their advantage with the help of varied skills and technologies. They started building houses to live in. They discovered minerals and invented machines, the growing population and increasing demand for goods resulted in rapid industrialization and mass production. To satisfy their increasing wants, natural environment is being exploited indiscriminately by humans. This is leading to environmental degradation.

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