

Answer

There are two main factors that affect the ecosystem which are

1. Biotic factor - These factors include living organisms that affect the ecosystem. There are parameters under the biotic factor which affect the ecosystem namely
 - i, Competition - This is simply living organisms fighting for mating partners, food and territories. This competition can either be
 - a, Interspecific - This is a competition between different species in an environment
 - b, Intraspecific - This is a competition within the same species
 - ii, Predators - This is simply animals that hunt other animals for food or sometimes dominance and territory
2. Abiotic factors - These factors include non-living organisms in the environment. These factors are given as follows.
 - iii, Temperature - Temperature is the degree of hotness or coldness of an environment within a period of time. These factors can affect enzymes in the body that do not find the temperature suitable
 - iv, Oxygen availability - Plants and animals need oxygen for respiration. When there is

Insufficient amount of Oxygen in an environment. It can lead to the death of plants and animals.

v, Water availability - Animals need water to aid digestion in the body. Also, plants need water to aid photosynthesis. Lack of water can bring harm to the ecosystem of the environment.

vi, Sun-light - Sunlight is very essential for plants to carry out photosynthesis and also for animals.

vii, Edaphic factor - This simply means the type of soil in an environment. Loamy soil is the best type of soil to aid plant growth. When an environment has clay soil which retains water, this affects the plants in need of water for growth.

2. Reasons why we need to study Environmental Geology

1. It helps to protect people from environmental factors that are beyond their control. They can suggest that no building should be ~~in~~ in an environment liable to active flood plains. They also give mitigation advice for that environment.

- 2 They understand the type of geology history or event that can occur and give mitigation procedure
3. They help in waste management which includes Analysis - Collection - transportation - recovery - recycling - disposal.
- 4 It gives a clear knowledge of how the earth resources should be managed properly for the future generation
- 5 It gives us the knowledge for equating water supply in our environment. Also, it helps in locating aquifers and knowing their characteristics.
- 6 It gives us an understanding on the type of building to suit different types of soil.