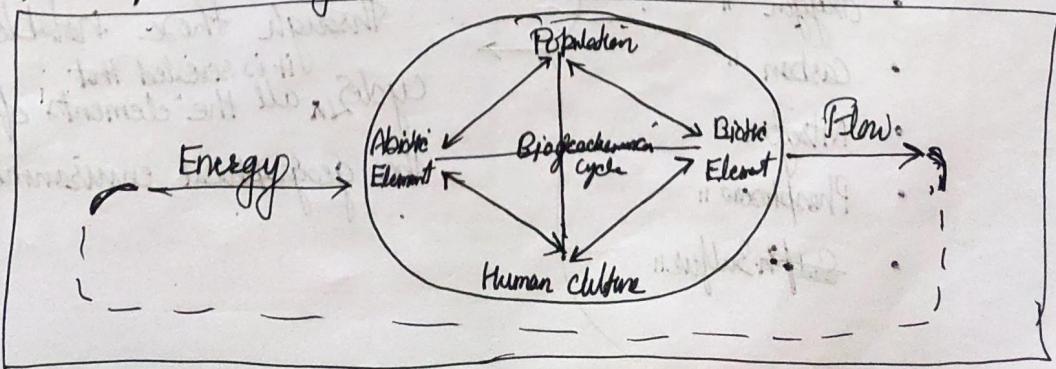


Although the Creator of Resources is human who can convert any physical substance or element into a resources with the help of his technology, yet the basic source of resources is the "geographical environment", which is a complex system or group. Under this, many Subsystems are included which are hierarchical (i.e from smallest to largest specific unit). There is also Mutual interaction in this. These interrelationship of these systems and subsystems is established by various Complex bio-geochemical cycles. water oxygen cycle, Carbon cycle, Nitrogen cycle & Phosphorous cycle are particularly notable among these cycles. These cycles are regulated and governed by the flow of energy. Through these cycles, all the elements of the Biosphere, ~~are~~ from the Earth's core to the ^{Earth} atmosphere remained intertwined.

The existence of Herbivorous, Carnivorous & Omnivorous organisms is dependent on the mineral elements obtained from the soil & the plants produced by Water circulation by these cycle & the energy flow through them. Similarly, Human Society & its cultural System are also an integral part of this large system.



Therefore, the potential of Human resources generation is not unlimited, but depends on the energy flow and the activity of Bio-geochemical cycles.

In this sense, the entire geographical environment System is largely dependent on the three factors →

The Flow & Transformation of energy obtained through plants & animals, which plays the role of Basic Motivators for the entire System,

The formation and reorganization & protection of chemical elements,

The adjustment of those factors to the environment by many types of biological elements.

The activity of these factors is dependent on the Capacity (Potential) of different cycles i.e.

- Water cycles
- Oxygen "
- Carbon "
- Nitrogen "
- Phosphorus "
- ~~Sulfur~~ Sulfur "

Through these notable cycles it is revealed that all the elements of the geographical environment →

Minerals, Water, Flora & Fauna are somehow bond in a vast system which remains in a State of Equilibrium (स्थिर स्थिति). Through these balances & interaction of elements, Resources are created. If this process is disturbed, the balance will be hampered. This has been termed as Resource Ecology. Resource Ecology emphasises the fact that every element of the geography environment (including humans) is interacted & interrelated with every other element. Therefore, it is necessary to make a close assessment of the short & long term impact of every human action on the biological-physical environment and to establish a balance between economic imperatives & ecological balance.

