

CHAPTER - 1

The living world.

Life:- As the power of an organism passes to maintain and reproduce itself on earth.

* In these various kind of chemical occur inside cells which ultimately led to the availability of energy, growth, development, responsiveness, metabolism and reproduction in the living being.

What is Living:-

* The characteristic which are observed commonly in all living being are growth, reproduction, sensitivity.

* Other features which are not seen outside and taking place inside the bodies like metabolic reaction, self-replication, self organisation etc.

* These living organism also have ability to interact and evolve.

Characteristics of living beings

1. Reproduction
2. Obtain & use the energy (metabolism)
3. Growth and development.
4. Respond to the environment (stimulus)
5. Made up of cells.
6. Different level of organisation.

* Growth is a basic characteristic of living organisms.

* It is regarded intrinsic (innate) property of living organisms through which they can increase in mass and no. of cells in the body.

* All living organism grows by cell division