

Chapter - 1

The Living World

Points to Remember

- Organism (Microorganism, plant and animals) who posseses life is living.
- Life is a complex organisation expressing itself through chemical reactions and exhibit characteristics of living organisms.
- Characteristics of Living Organisms: Growth, reproduction, metabolism, cellular organisation, consciousness, self-replicating and self regulation.
 - Reproduction and growth are NOT defining properties.
 - Metabolism (catabolism + anabolism), cellular organisation and consciousness are defining properties.
 - Living organisms are self-replicating, evolving, self-regulating and interactive systems capable of responding to external stimuli.
- Biodiversity: The term used to refer to the variety of microorganisms, plants and animals on earth.
- Need for classification: To organise the vast number of microorganisms, plants and animals into categories that could be named, remembered, studied and understood.
- Three Domains of Life: Proposed by Carl Woese in 1990, who also proposed
 the six kingdom classification for living organisms. The three Domains of
 life are Archaea, Bacteria and Eukarya.



The Living World

Biology The Living World Study Guide

Lee Tang

Biology The Living World Study Guide:

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