

- i) Zoology:** Zoology is that branch of biology which deals with the study of animals.
- ii) Botany:** Botany is that branch of biology which deals with the study of plants.
- iii) Microbiology:** It is the branch of biology which deals with the study of microorganisms such as viruses, bacteria etc.
- iv) Morphology:** It deals with the shape and structure of living organisms.
- v) Histology:** It is the microscopic study of tissues of plants and animals.
- vi) Cytology:** It deals with the structure of cell and organelles present inside the cell.
- vii) Physiology:** It deals with the study of functions of different parts of plants and animals.
- viii) Ecology:** It is the science of ecosystem and explains the relationship between organisms and their environment.
- ix) Taxonomy:** It deals with the naming and classification of organisms.
- x) Genetics:** It deals with the study of heredity and variations.
- xi) Biotechnology:** It deals with the application of biological processes.
- xii) Haematology:** Study of blood and its constituent cells.
- xiii) Geology:** Study of features and properties of earth and its constituents rocks.

**Characteristics Of Living Organisms:**

Following are the main characteristics of living beings which are not present in non-living organisms.

- i) Metabolism
- ii) Growth
- iii) Irritability
- iv) Reproduction
- v) Movement
- vi) Nutrition
- vii) Respiration
- viii) Excretion