

# Ch. LIVING WORLD

Features	Defining characteristics	
Growth	Characteristic	Living
Reproduction	Characteristic	non-living
		Exception:
		sterile human couple, mules, worker bee
metabolism	defining	all living organism.
Consciousness	defining	all living organism.

No. of species → 1.7 - 1.8 million  
 ① Identification  
 ② Classification  
 ③ Nomenclature

## Binomial Nomenclature

-Carl Linnaeus.

Systema Naturae

- Generic + Specific Epithet. (Latin)
- Authors name in abbreviated form.

- Points - Italics handwritten - Underlined Separating.

International code of botanical Nomenclature  
 International code for zoological Nomenclature

Kingdom	Common Name	Biological Name	Genus	Family	Order	Class
Phylum / division	Man	Homo Sapiens	Homo	Hominidae	Primates	Mammalia
Class	Housefly	Musca Domestica	Musca	Muscidae	Diptera	Phylum-Chordata
orders	Mango	Magnifera Indica	Magnifera	Anacardiaceae	Sapindales	Insecta
Family	wheat	Triticum aestivum	Triticum	Poaceae	Poales	Anthropoda
Genus						Dicotyledoneae
Species						Angiospermae
						monocotyledoneae
						Angiospermae

## Botanical Gardens:

Ex-Situ Conservation.

- Collection of living plants.

Kew Botanical Garden (England)

Indian Botanical Garden, Howrah.

National Botanical Research Institute, Lucknow.

## Museum:

- Preserved plants & animals.
- Large animals stuffed.
- Insect box.

## Key:

- based on contrasting characters
- Generally in pairs → couplet.
- based on similarities & dissimilarities
- Each statement is called lead

## Herbarium:

Store house of plants

- ① dried
- ② Pressed
- ③ Preserved
- ④ kept on sheets

Label ① Name of plant

② Name of collector

③ Family

④ Place of collection.

## Zoological Park:

• wild animals are kept.

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