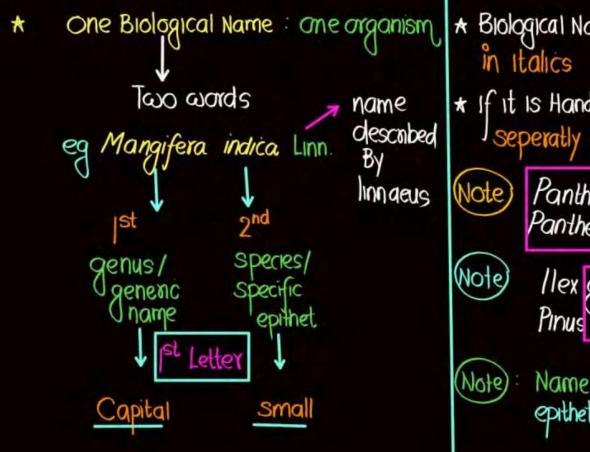
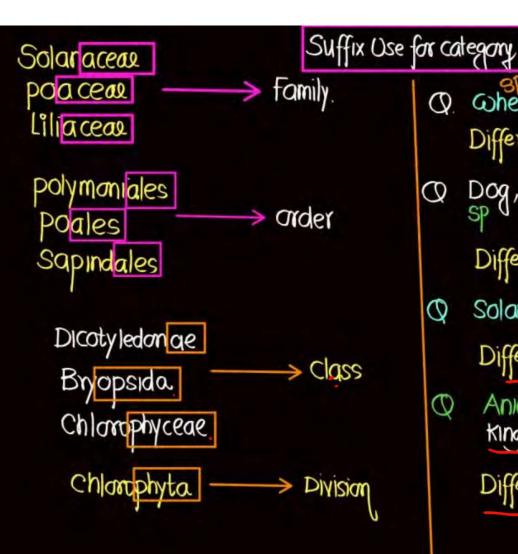


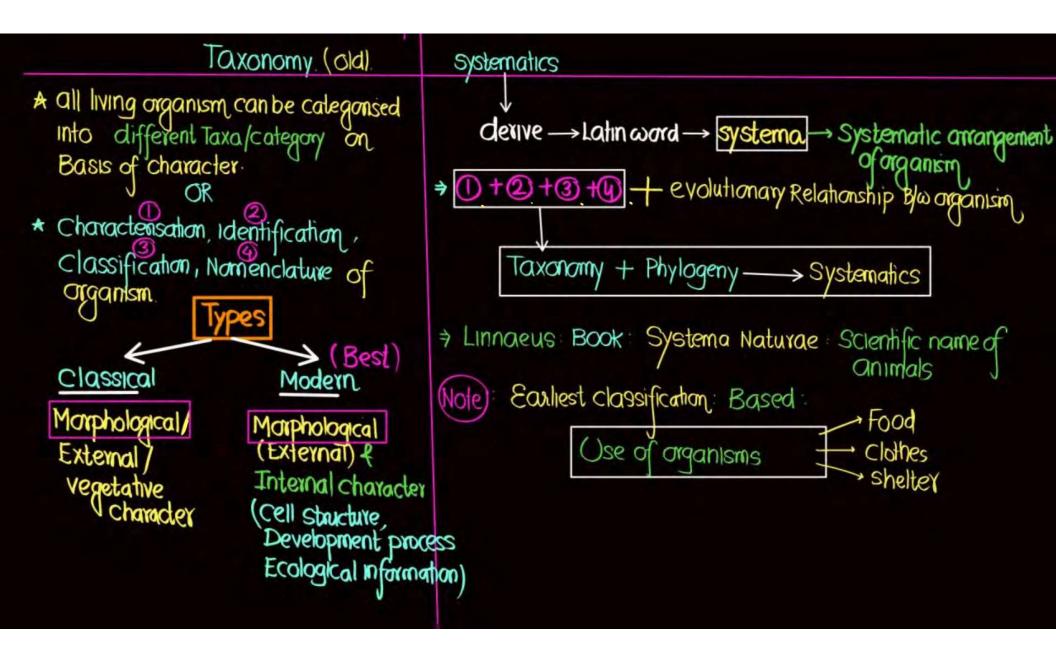
Binomial Namenclature: Carolus linnaeus



- * Biological Name are in Latin Language (dead) & printed in Italics
- * If it is Handwitten Mangifera indica, then seperatly and exlined
- Note Panthera leo : Lion Genenc name can be same Panthera tigns : tiger
 - lex glabra → specific epithet can also be Pinus glabra
- Note): Name of author/scientist Comes after specific epithet: Abbreviation



- Q. Wheat, Maize, Rice Different taxon at some level
- Q Dog, Bryopsida, poales Sp Class order
 - Different taxon at different level
- Q Solanaceae, poaceae, Liliaceae Different taxon at Same level
- Animal, mammals, dog Kingdom class spedes Different taxon at different level



Species

- ★ Smallest/Basic unit of Classification/Taxonomic Category
- * Term: John Ray.
- * Biological concept of species Panthera Jeo (May).

group of individuals which Panthera pandus

are interpreeding / Reproduction Together

Consideras species

(Reproductivly Isolated from otherspecies)

A Fundamental Symilombes

Taxonomic categories

Solanum tuberosum: Potato. Solanum melongena: Bringal. Solanum nigrum Makoi

Llon

Panthera tigns

Leopard

Canis familiaris

Dog

Canis Jupus :

WOH

Canis auveus:

Jackal

Genus

* group of <u>Related species</u>: show similarities.

species of one genus show more common Character as compare to species of another genera(genus)

Note)

Felis catus (Cat)

polytypic genus: which have more than

one species

Monotypic genus: one species

Homosapiens

* group of Related genus

Solanum tuberosum Solanaceae

Datura Innoxia

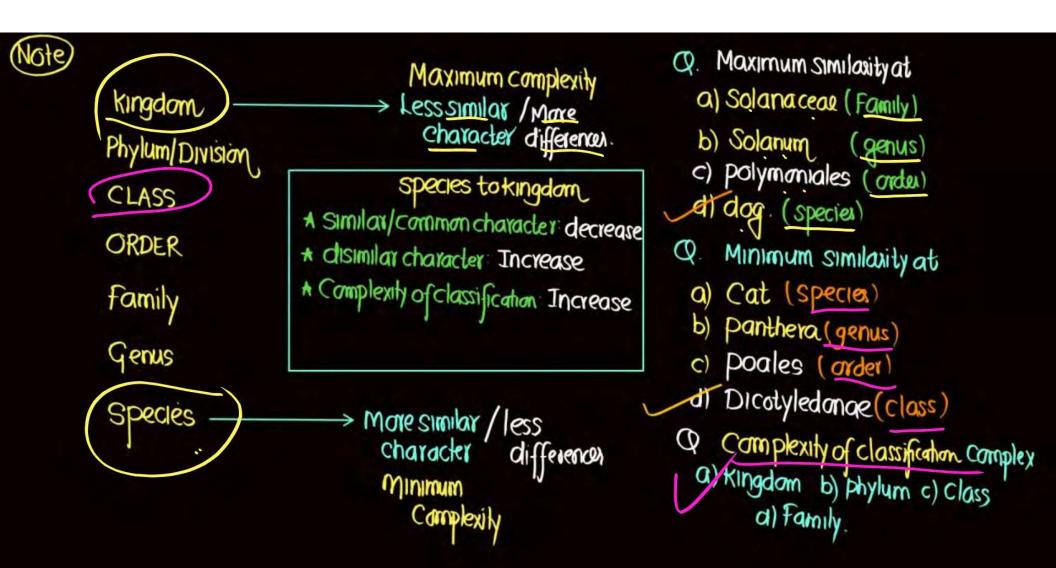
Petunia Inflata (On Basis of

Vegetative & Reproductive character)

Felis catus -> Felidae Panthera leo

(Note): Cans(dog)→ Canidae Sweet potato → Convolvula ceae less similatités more différences

ECIty, city, city



Classification + Potato: Solanum tuberosum Taxon Categories Biggest Plantae Kingdom Angiospermae class Dičotyledanae order Polymoniales family Solanaceal genus Solanum S. tuberosum - Species **smallest**

Is not a single step process But Multisteps & each step Represent: Category (Real/obligate)?

Note: Subfamily/suborder/subclass: Infermediate Category

(Note: Each category Represent one Taxon

Note: Alexandric of Taxonomic category

from species to kinadam Called

Taxonomic Hierrarchy

ORDER	CLASS	Phylum/Division,	Kingdom 13:48
Solanaceae Convolvulaceae (Floral Character) Felidae (Canine Teeth) (Note): Mango: Sapindales	* Carnivora Rodentia Mammalia (Rat) Primato (Harronskin (Monkey, mammany)	Moncotyledonae Moncotyledonae Angiospermae (Division)	* Plantae (Cell Wall X) * animalia (Cell Wall X)

TABLE 1.1 Organisms with their Taxonomic Categories

Common Name	Biological Name	Genus	Family	Order	Class	Phylum/ Division
Man	Homo sapiens	Homo	Hominidae	Primata	Mammalia	Chordata
Housefly	Musca domestica	Musca	Muscidae	Diptera	Insecta V	Arthropoda
Mango	Mangifera indica	X Mangyera	Anacardiaceae	Sapaninies X.	X . Dicotyledonae	Angiospermae
Wheat	Triticum aestivum	Transan	Poaceae	Poales	Monocotyledonae	Angiospermae





'X' and 'Y' are the components of Binomial nomenclature. This naming system was proposed by 'Z': (2023 Manipur)

- 1 X-Specific epithet, Y Generic name, Z Carolus Linnaeus
- 2 X Generic name, Y Specific epithet, Z R.H. Whittaker
- 3 X Generic name, Y Specific epithet, Z Carolus Linnaeus
- 4 X-Specific epithet, Y Generic name, Z R.H. Whittaker



House fly belongs to family.

- 1 Calliphoridae
- 2 Muscidae \
- 3 Cyprinidae
- 4 Hominidae

(2023 Manipur)



descending.

In the taxonomic categories which hierarchical arrangement in ascending order is correct in case of animals? (2022)

- 1 Kingdom, Order, Phylum, Class, Family, Genus, Species
- Kingdom, Phylum, Class, Order, Family, Genus, Species
- 3 Kingdom, Class, Phylum, Family, Order, Genus, Species
- 4 Kingdom, Order, Class, Phylum, Family, Genus, Species



Which one of the following belongs to the family Muscidae?

(2021)

- 1 Grasshopper
- 2 Cockroach
- 3 Housefly
- 4 Fire fly



Select the correctly written scientific name of Mango which was first described by Carolus Linnaeus. (2019)

- 1 Mangifera indica Car. Linn.
- 2 Mangifera indica Linn.
- 3 Mangifera indica
- 4 Mangifera Indica



Match Column-I with Column-II for housefly classification and select the correct option using the codes given below. (2016-II)

- 1 A-(S); B-(R); C-(Q); D-(P)
- 2 A-(S); B-(Q); C-(P); D-(R)
- 3 A-(R); B-(P); C-(S); D-(Q)
- 4 A-(R); B-(Q); C-(S); D-(P)

	Column-I		Column-II
A.	Family) p.	Diptera
В.	Order	q.	Arthropoda
C.	Class	Jr.	Muscidae
D.	Phylum	y S.	Insecta

All the Best

Mank you for

Your Love,

Respect