

Binomial Nomenclature

1st name - Genus

2nd name - species

homo sapiens X

Human (zoological name)

Homo sapiens X

Homo sapiens

Homo sapiens X

Guidelines to write zoological name:-

- ① Initial letter of genus must be in upper case w. capital alphabet.
- ② Initial letter of species must be written in lower case w. small alphabet.
- ③ In hand written they must be under lined with separate lines

Trinomial nomenclature

Homo sapiens sapiens
↓ ↓ ↘ sub-species
Genus Species (Name of scientist)

classification

Artificial classification

⇒ classification is based on only one characteristics.

Herbivorous :- plants & their products.

Carnivorous :- Flesh

Omnivorous - plants & flesh

Natural classification

⇒ Based on

Morphology (study of external structure)

Anatomy (study of internal structure)

Physiology (metabolism)

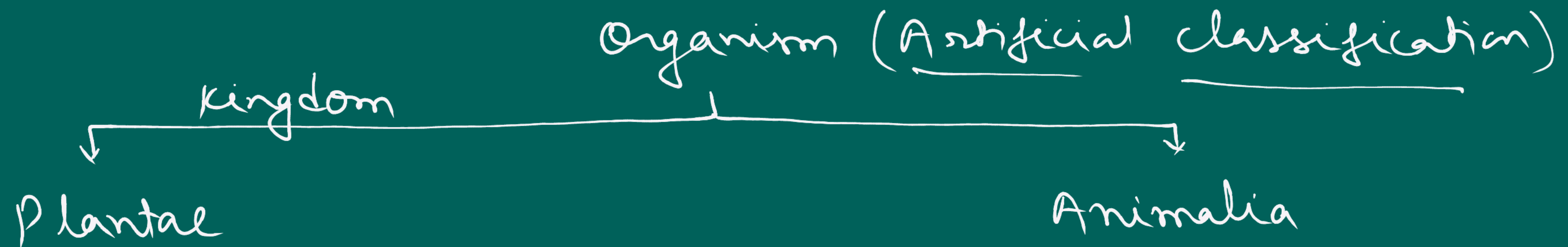
Phylogeny - evolutionary history of a particular species

etc

Father of taxonomy

↳ Carlous Linnaeus

BOOK - Systema Naturae



Five kingdoms of classification:-

R.H. Whittaker

Organisms

Prokaryote

① Monera ✓

Eukaryote

Unicellular

② Protista ✓

Multicellular

Chlorophyll

Photosynthesis

Cell with cell wall
(Plant)

Heterotrophic in nutrition

Plant with chlorophyll
(Non-green plants)

③ Fungi ✓

Autotrophic in nutrition

⇒ Presence of chlorophyll
(Green plants)

④ Plantae

Cell without cell wall

⑤ Animalia

