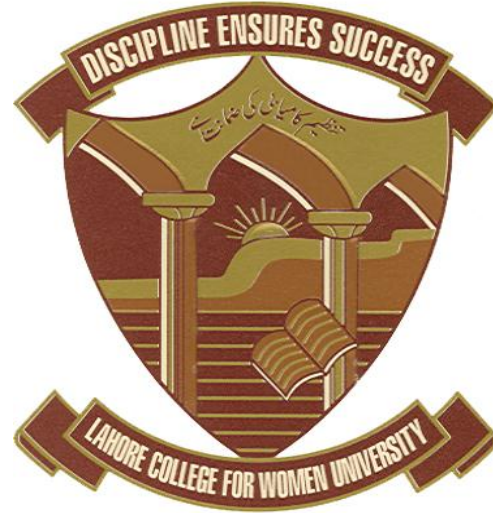


TAXONOMY AND CLASSIFICATION



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TAXONOMY AND CLASSIFICATION

TAXONOMY



TAXONOMY
Identification, Naming and
Classification of Species

History of the Classification System

“ Why classify organisms?

“ Understand and find them
more easily

“ *Taxonomy*-branch of biology
that groups organisms by
characteristics

“ Carolus Linnaeus

“ First to classify organisms

“ by physical and structural
similarities-plant and animal

“ Current: 3 domains and 6
kingdoms

Linnaean System of Classification

“ Binomial Nomenclature (Scientific Name)



- “ Two-name naming
- “ Important because:
 - “ gives a name to each organism
 - “ that everyone can identify.
 - “ avoid confusion of common names (dog=hound=mutt=mongrel)
- “ The first name represents the **genus** and the second name represents the **species**.
- “ Always written in *italics* or underlined with the first word capitalized.
- “ *Canis domesticus*

Scientific Name Examples

“ Panther: *Panthera pardus*

“ Lion: *Panthera leo*

“ Tiger: *Panthera tigris*



“ Fox: *Canis vulpes*

“ Wolf: *Canis lupus*

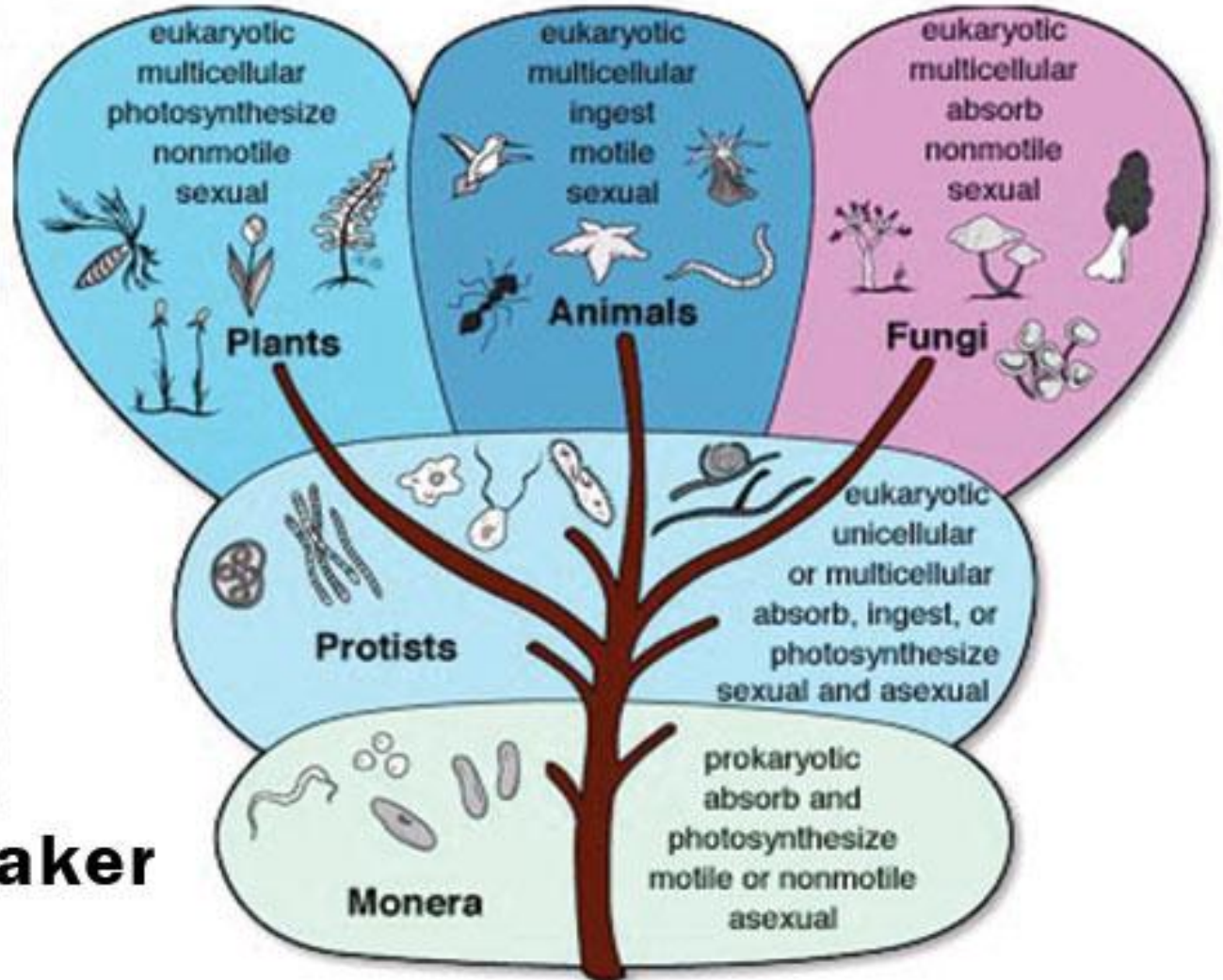
“ Coyote: *Canis latrans*



FIVE KINGDOM CLASSIFICATION SYSTEM



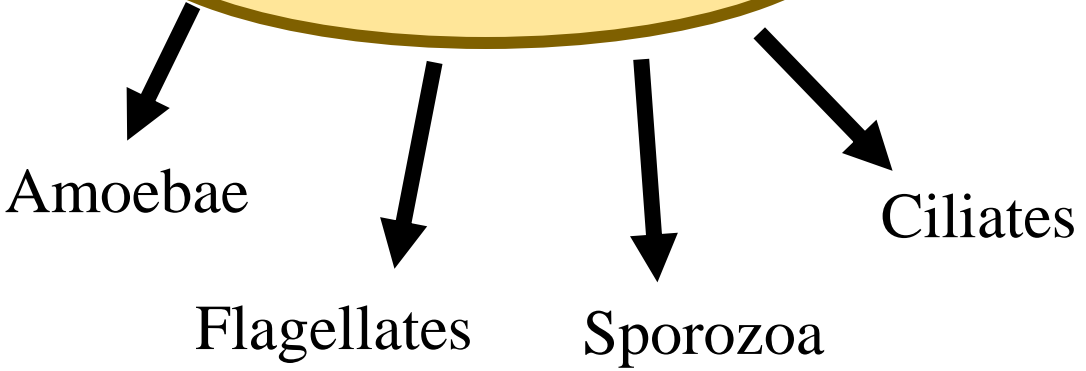
**Robert Harding Whittaker
(1920 – 1980)**



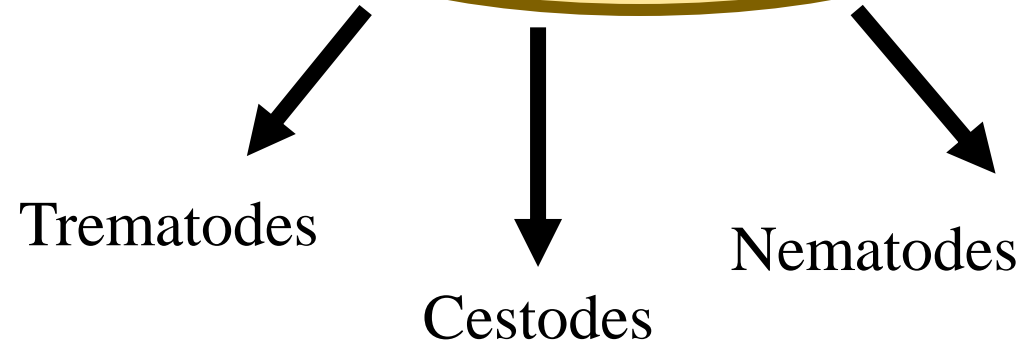
CLASSIFICATION OF PARASITES



Protozoa



Helminths



THANK YOU