

Chapter 19 Quiz: Biodiversity & Classification: What to Know

Biology B

- Why Biologists classify
- Binomial nomenclature
 - Who invented it
 - How it works
- Common names vs. Scientific Names
 - Why don't we just use common names?
- Taxonomy
 - Define
- Taxon
 - Define
- 7 taxon system – kingdom, phylum, class, order, family, genus, species
- 2 original kingdoms in the 7 taxon system
- Traditional classification vs. evolutionary classification
 - Phylogeny - define
 - What criteria are used to group organisms in each?
- Cladistic analysis
 - Clade – define
 - Derived character - define
 - What do the forks in a cladogram show?
 - What kinds of evidence are used?
- 3 domain system – archea, bacteria, eukarya
 - what is included in each domain?
 - How did Biologists determine these groupings?