



Biodiversity

After completing a topic and in preparation for an exam, you should be able to write a one or two sentence definition of each term and use each term in a sentence.

Amphibia	Eukaryote	Phylum
Animalia	Family	Plantae
Archaea	Fish	Prokaryote
Aves	Fungi	Protists
Bacteria	Genus	Reptilia
Biology	Kingdom	rRNA
Clade	Linnaeus	Scientific name
Class	Mammalia	Species
Common name	Mitochondria	Systematics
Domain	Order	Taxonomy
Eukarya	Phylogeny	Viruses

Questions

1. What factor defines a species? a) geographical separation; b) reproductive isolation; c) Linnaeus; d) cladogenesis; e) behavior.
2. How many domains are represented in this list? Dog, human, redwood tree, Athlete's foot fungus

Biol 101

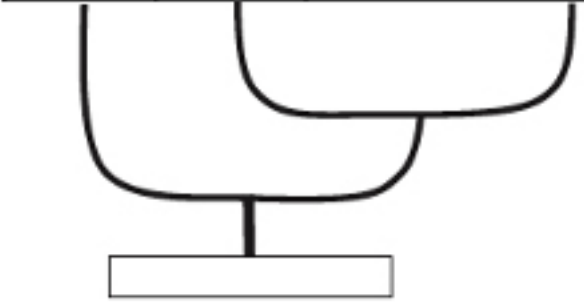
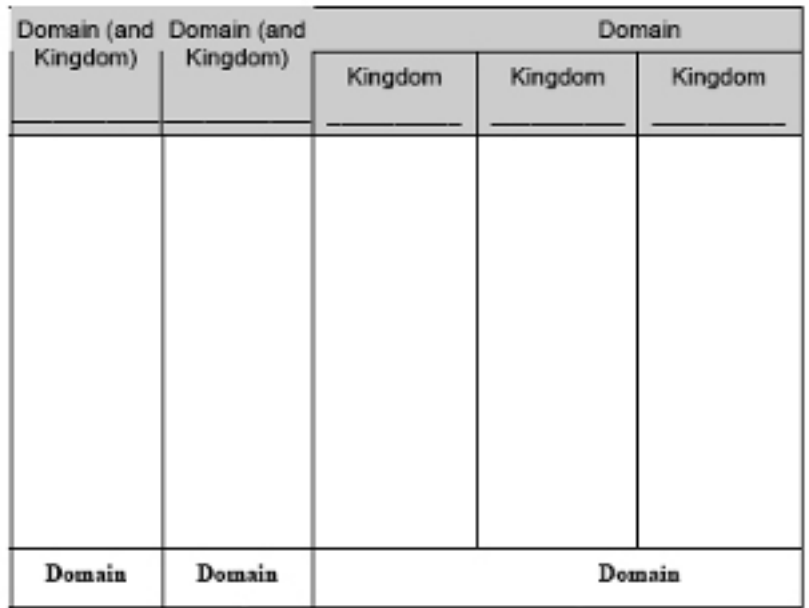
3. Place these words in the figure to complete a Tree of Life:

- Animalia
- Archaea
- Bacteria
- Eukarya
- Fungi
- Plantae
- Universal ancestor

4. What domains are represented by the drawings below?

5. What kingdoms are represented by the drawings below??

6. Define protists



Salamander

Lizard

Bird

Liz	A	T	A	C	G	A	T	C	A	T	G	C	T	C	G	T	C	C	A	T	C
Bird	A	T	C	C	A	C	T	C	A	T	C	C	T	C	G	T	C	G	A	T	T
Sal	A	C	G	C	C	G	T	C	C	A	T	C	C	T	T	T	C	A	A	T	G

7. Using the genetic information for the lizard, salamander, and bird, fill in the Tree of Life for these animals:

