

Classification Challenge

1. What are the classification groups from broadest (TOP) to most specific (BOTTOM)? Fill in the boxes at right.

2. What does the term "binomial nomenclature" mean?

2 name system

3. Answer these questions about classification.

A. Put a star (★) next to the group or level that has the largest number of different organisms.

B. Put a "1" next to the group that has only one type of organism.

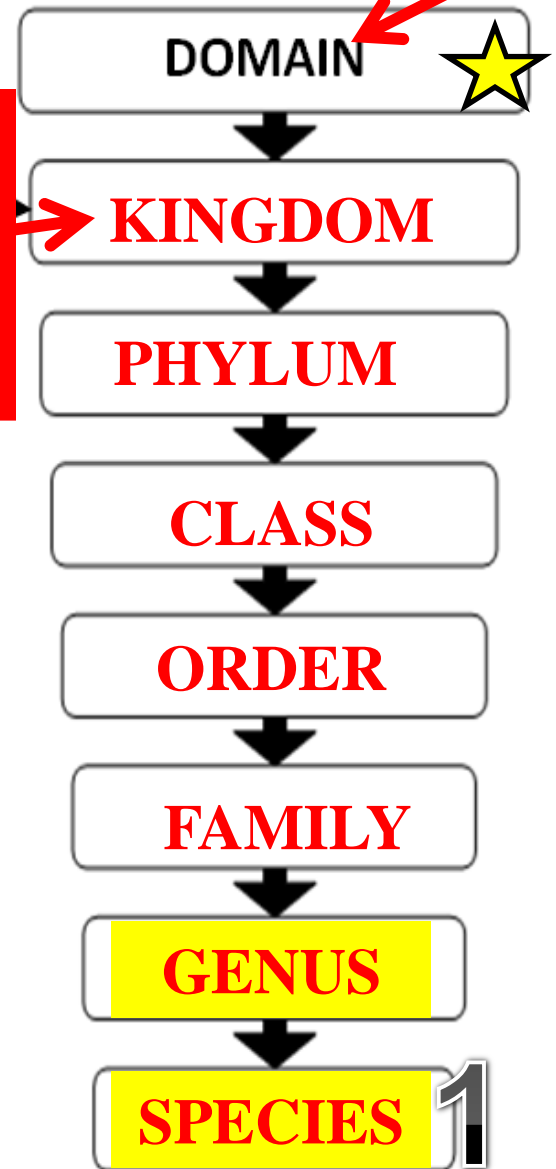
C. Where would you find more diverse organisms: class or phylum?
Circle your answer.

D. What do we call a group of related orders? Class

E. An order is a group of related families.

F. Shade in the boxes for the levels that are used for an organism's scientific name.

Bacteria
Archaea
Animals
Plants
Fungi
Protists



4. What is the difference between invertebrates and vertebrates? _____
No backbone → ← **Have backbone**

5. Choose the BEST answer for each. Circle your choice.

A. To which domain do humans belong? *Bacteria* *Archaea* **Eukarya** *None of these*

B. To which domain do viruses belong? *Bacteria* *Archaea* *Eukarya* **None of these**

C. To which domain do parameciums belong? *Bacteria* *Archaea* **Eukarya** *None of these*

D. To which kingdom do humans belong? *Protists* *Fungi* *Plants* **Animal**

6. The scientific name for a naked mole rat is *Heterocephalus glaber*. Answer these questions about this organism.

A. To which genus does it belong? **Heterocephalus**

B. To which kingdom would it belong? **Animal (Animalia)**

C. To which domain would it belong? **Eukarya**

D. Would it be an invertebrate or a vertebrate? **Vertebrate**

E. Would it be considered a heterotroph? Why? **Yes, it has to eat other organisms**

F. Is it unicellular or multicellular? Why? **Multicellular; made of many cells**



All done? Go Extinct time!