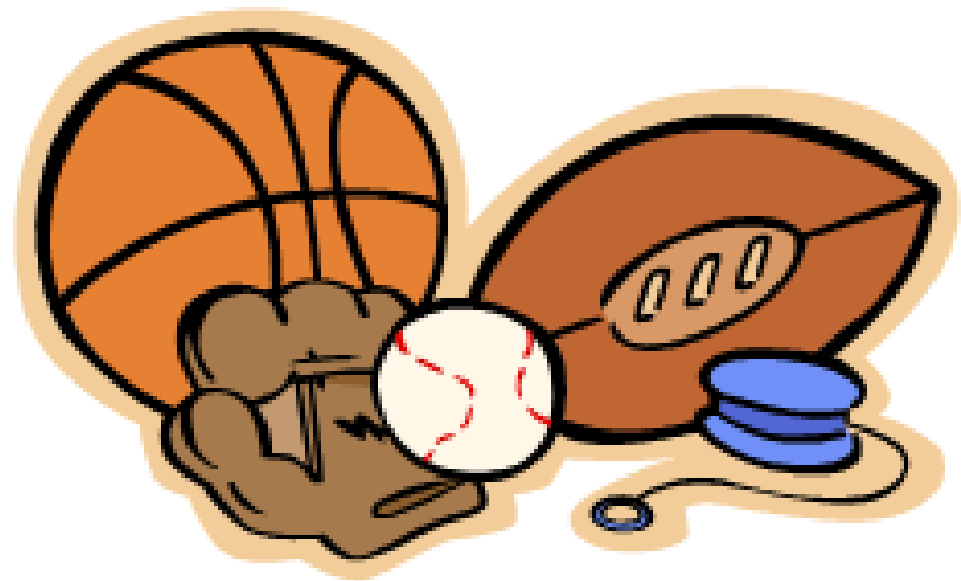


Question:
How do you sort the silver
wear?



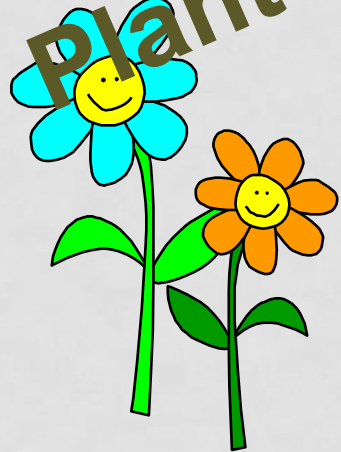
Why do we classify things?

- ▶ Supermarket aisles
- ▶ Libraries
- ▶ Classes
- ▶ Teams/sports
- ▶ Members of a family
- ▶ Roads
- ▶ Cities
- ▶ Money



Six Kingdoms

Plant



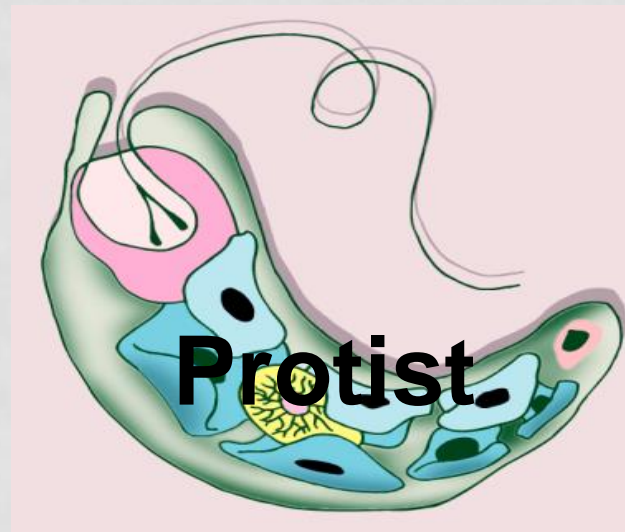
Animal



Bacteria



Archaea

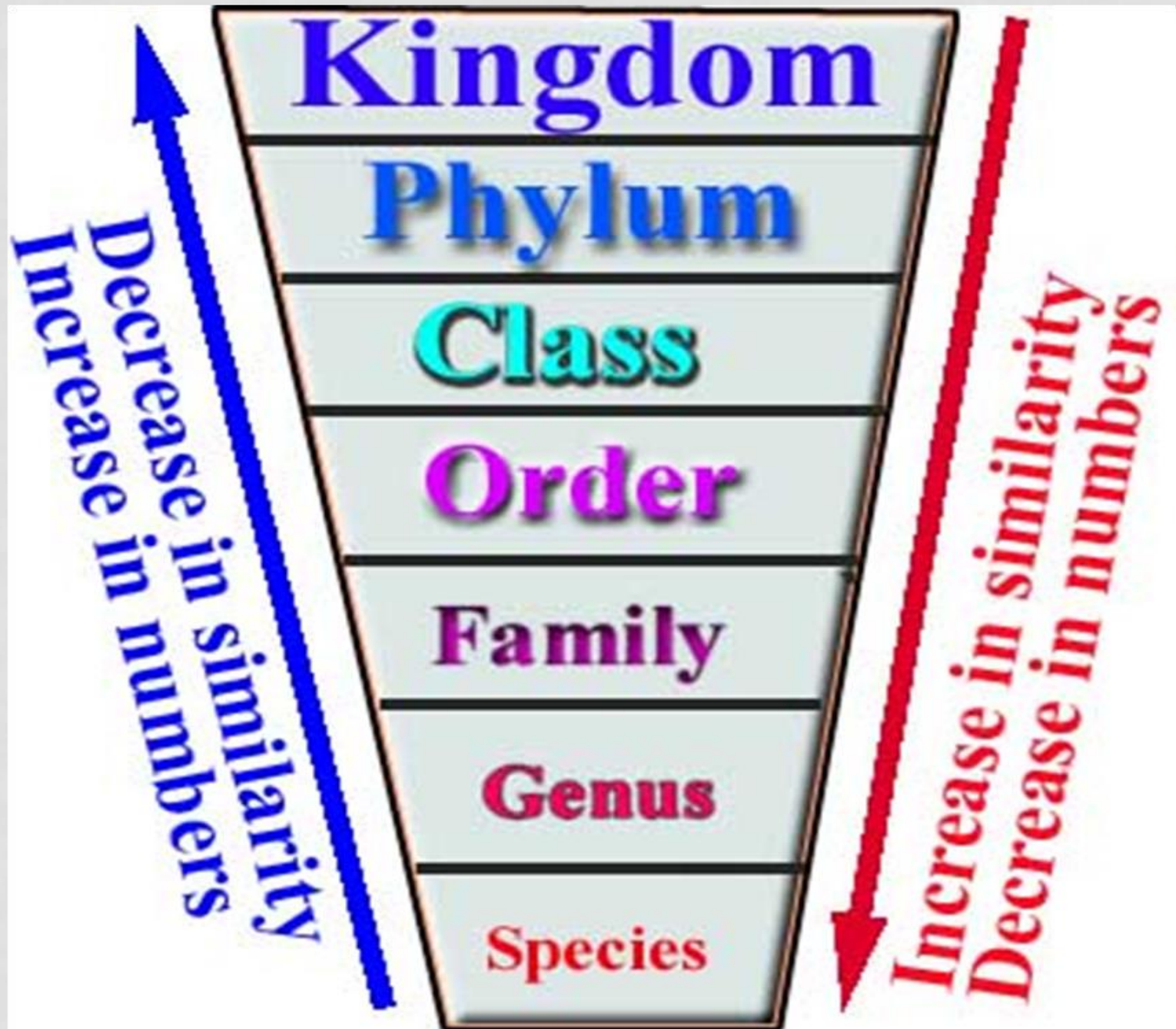


Protist



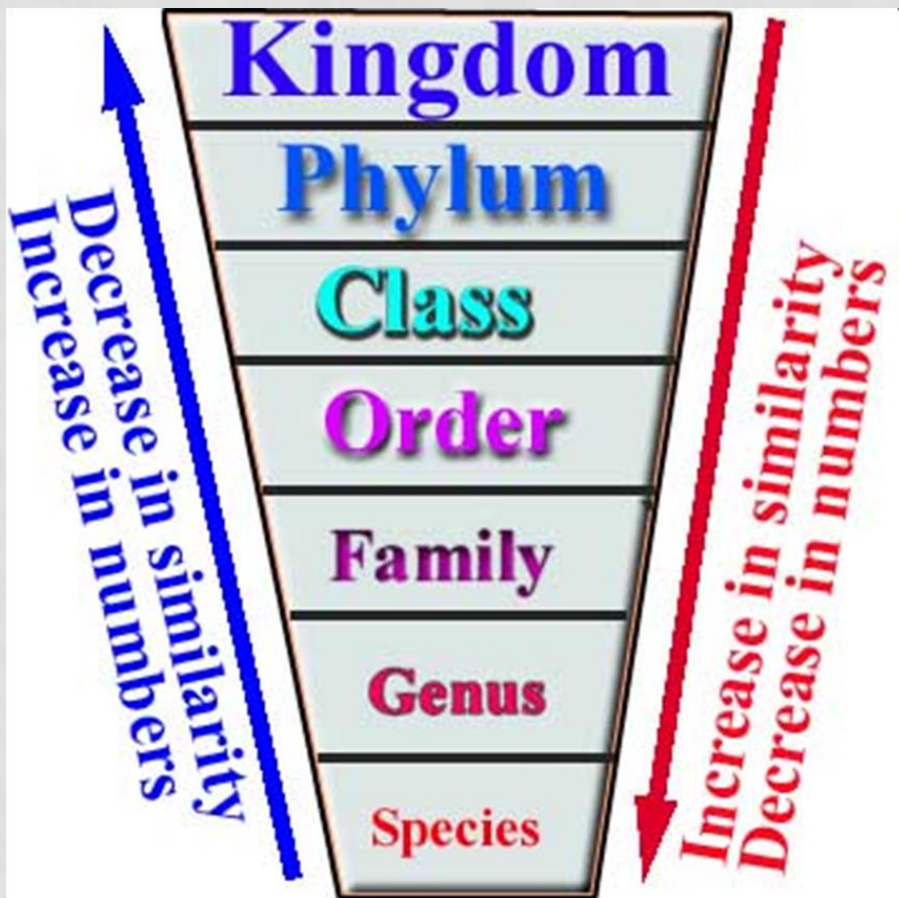
Fungus

Classification System



Record your own acronym.

How will you remember?



K _____
P _____
C _____
O _____
F _____
G _____
S _____

Grizzly bear

Black bear

Giant panda

Red fox

Abert squirrel

Coral snake

Sea star



KINGDOM Animalia



PHYLUM Chordata



CLASS Mammalia



ORDER Carnivora



FAMILY Ursidae

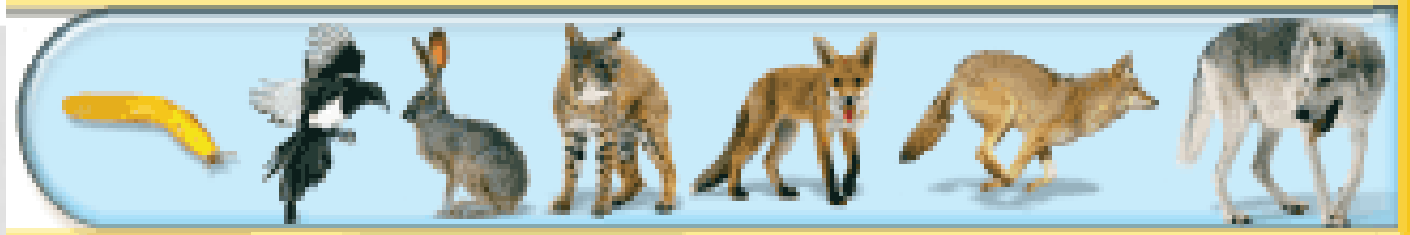


GENUS Ursus

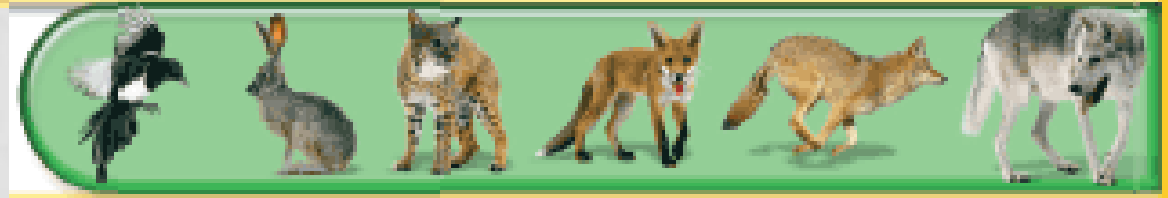


SPECIES *Ursus arctos*

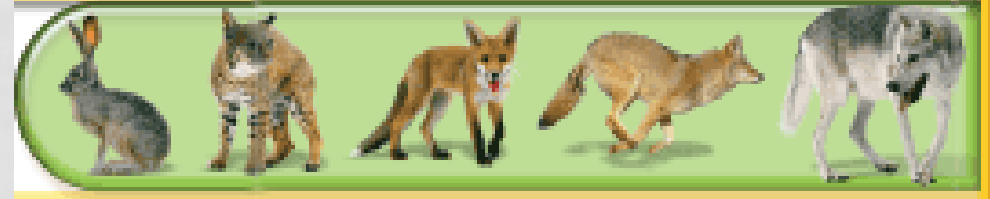
Kingdom animalia
All these organisms
are animals.



Phylum chordata
All these animals
have spinal cords.



Class mammalia
All these animals give
milk to their young.



Order carnivora
All these animals
eat meat.



Family canidae
All these animals
have dog-like features.



Genus *Canis*
This level includes all dogs, coyotes, and wolves.



Species *lupus*
This level names a particular kind of wolf,
the gray wolf.



Describe one advantage
of having a classification
system?

Reviewing Terms: Matching

Match each definition with the correct word. Write the letter on the line next to the definition.

- | | | |
|----------|---|-------------|
| _____ 1. | the highest and most general group of organisms | a. kingdom |
| _____ 2. | the level of classification below phylum | b. classify |
| _____ 3. | to put things into groups | c. class |
| _____ 4. | the next level of classification below the level of kingdom | d. species |
| _____ 5. | the level of classification with the least variety of organisms | e. phylum |

Reviewing Concepts: True or False

Write T (True) or F (False) on the line before each statement.

- _____ 6. A classification system makes it easier for scientists to communicate about specific organisms.
- _____ 7. Today's classification system is still changing.
- _____ 8. Archaeobacteria and Eubacteria belong to the same kingdom.

Applying Strategies: Draw Conclusions

Use complete sentences to answer question 9. (2 points)

9. Why is there more variety in a kingdom than there is in a species? Give an example.