

Chapter 18-1: Finding Order in Diversity

Essential Questions:

- How are living things organized for study?
- What is *binomial nomenclature*?
- How does Linnaeus's system of classification work?

■ Why classify?

- Taxonomy: classification & naming of organisms



Mountain Lion

Cougar

Puma

Panther

- Assigning scientific names
 - Early efforts at naming organisms



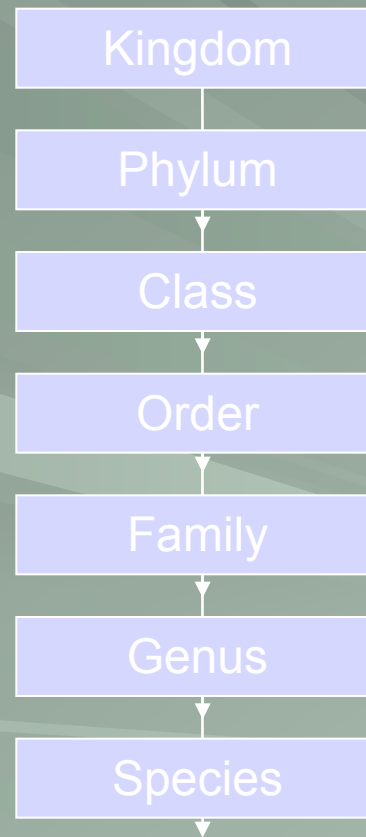
– Binomial nomenclature – Linnaeus

■ Ex: *Ursus arctos*



■ Linnaeus' s system of classification

– *taxons*



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*