

Naming and classification		
 System devised by Carolus Linnaeus Originally based on similarities 		Wolf
 After Darwin, systematists sought to classify based on phylogeny * relatedness/ ancestry 	Domain Kingdom Phylum Class	Eukarya Animalia Chordata Mammalia
Note how genus and species are written Genus only is capitalized Canton of the second secon	Order Family Genus Species	Carnivora Canidae Canis Iupus





· Anatomy, often at the microscopic level, is important in systematics





Snail's "radula"

Pollen grains















How many species exist?

- Mean estimate: 7-10 million
- High estimate: 100 million
- Current named species: 1.5 million
 \$5% prokaryote and protists

*22% plants and fungi

♦73% animals