

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 Order 	Eukarya Animalia Chordata Mammalia Carnivora	
Note how genus and species are written Genus only is capitalized Entire name is	Family Genus Species	Canidae Canis Iupus
underlined or italicized		





· 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