

**The Biology 4289 Tree of Life**  
(based on Dawkins's Pilgrimage, with a little help from various other sources)

Earthly Cellular Life	Eukarya	Metazoa	Eumetazoa	Bilateria	Deuterostomia	Chordata	Vertebrata or Craniata	Gnathostomata	Tetrapoda	Amniota	Synapsida (Mammalia)	Eutheria	Primates	Haplorhines	Catarrhini	Apes	Great apes	African apes	Pongo	Gorilla	Pan	Homo																																						
																							Basal Eukaryotes	Chromalveolates	Chromista	Alveolates																																		
																							Rhizaria	Discicristates	Excavates																																			
																							Plants	Glaucoophyta (cyanelle formers)	Green algae	Liverworts																																		
																							Viridiplantae	Vascular Plants	Seed plants	Club mosses	Ferns	Gymnosperms	Cycads	Ginkgos	Conifers	"Paleoherbs"	"Magnoliids"	Monocots	Angiosperms	Eudicots																								
																										Rhodophyta																																		
																										Amoebozoans	Microsporidians	Chytrids	Zygomycota 1 (Mucorales, etc.)	Zygomycota 2	Glomeromycota	Basidiomycota	Ascomycota																											
																										Mesomycetozoea / DRIP																																		
																										Choanoflagellates																																		
																										Porifera (sponges)	Placozoa ( <i>Trichoplax</i> )	Ctenophora (Comb jellies)	Cnidaria	Medusozoa	Anthozoa	Acelomorph flatworms	Nemertodermatida	Acoela	Chaetognatha	Tardigrada	Onychophora	Arthropoda	Cephalorhyncha	Nematoda	Nematomorpha	Gnathifera	Platyhelminthes	Gastrotricha	Brachiozoa	Entoprocta	Bryozoa	Nemertea	Mollusca	Annelida	Sipunculoidea									
																										Ambulacraria	Xenoturbellida	Pterobranchia	Enteropneusta	Crinoidea	Ophiuroidea	Echinodermata	Asteroidea	Echinoidea	Holothuroidea																									
																											Urochordata or Tunicata	Cephalochordata	Agnatha	Cephalaspidomorphi	Myxini	Chondrichthya	Holocephali	Elasmobranchi	Actinopterygii	Acipenseriformes	Polypteriformes	Neopterygii	Coelacanthiformes	Dipnoi	Gymnophiona	Anura	Urodela	Sauropsida	Chelonia	Lizards and Snakes	Crocodylia	Birds	Monotremata	Marsupialia	Afrotheres	Xenarthrans	Laurasiatheres	Glires	Tupaiaidae & Cynocephalidae	Strepsirrhines	Tarsiens	Platyrrhini	Cercopithecoidea	Lesser Apes (Gibbons)

Archaea	Korarchaeotes
	Eurarchaeotes
	Crenarchaeotes
	Nanoarchaeotes
Bacteria	Proteobacteria and mitochondria
	Planctobacteria
	Sphingobacteria
	Spirochaetes
	Cyanobacteria and chloroplasts
	Eobacteria
	Actinobacteria
	Firmicutes