Bacteria

		Chloroflexus aggregans
	O	Herpetosiphon aurantiacus
•	0 0 0 0 0 Spiroch	Bacillus licheniformis Geobacillus stearothermophilus Mycobacterium smegmatis Mycoplasma mobile Staphylococcus aureus Borrelia burgdorferi
•	0	bacteria Burkholderia thailandensis Campylobacter jejuni Escherichia coli
•	0	pacteria Synechococcus elongatus Chroococcidiopsis thermalis*
•	0	nycetes Phycisphaera mikurensis Gemmata obscuriglobus
•	0	o ides/Cytophaga Candidatus Amoebophilus asiaticus Bacteroides fragilis
 Thermotoga 		otoga
		Thermotoga maritima
•	Aquifex O Aquifex aeolicus ?	
•	0	Deinococcus radiodurans** Thermus thermophilus

• "Green filamentous bacteria"

^{* &}quot;...one of the most primitive cyanobacteria (blue-green algae) known."

^{**} Deinococcus stains Gram positive, but the "cell envelope is unusual and is reminiscent of the cell walls of Gram negative bacteria" - also, Deinococcus and Thermus share their own phylum, and Thermus is gram-negative. A description the phylum Deinococcus-Thermus says, "These bacteria have thick cell walls that give them gram-positive stains, but they include a second membrane and so are closer in structure to those of gram-negative bacteria." Therefore, I am not sure how to classify them.

Archaea

- - Pyrodicticum
 - O Pyrodictium occultum
 - O Pyrodictium delaneyi
 - Etc.
 - O Methanospirillum hungatei¹

Staphylothermus marinus^^Sulfolobus acidocaldarius^^

- O Nanoarchaeum equitans²
- O Thermoplasma volcanium²
- O Thermoplasma acidophilum²
- O Methanopyrus kandleri³
- O Archaeoglobus fulgidus

- ^ Pyrobaculum aerophilum shares the family Thermoproteaceae with Thermoproteus. "When discovered, Pyrobaculum aerophilum resembled members from the genera Thermoproteus and Pyrobaculum because of its ability to transform into spherical bodies, which resemble golf balls. After its 16S rRNA was sequenced, the new archaeum displayed traits more characteristic of the genus Pyrobaculum and was therefore classified as Pyrobaculum aerophilum."
- ^^ Staphylothermus marinus and Sulfolobus acidocaldarius share the class Thermoprotei with Thermoproteus.
- ¹ M. hungatei's class is a sister to Methanobacteria (which includes Methanobacterium) and Methanococci (which includes Methanococcus).
- ² Nanoarchaeum equitans, Thermoplasma volcanium, and Thermoplasma acidophilum are not halophiles, but they are thermoacidophiles.
- ³ Methanopyrus kandleri is not a halophile, but it is a hyperthermophile.

^{*} Methanothermobacter thermautotrophicus shares the same family (Methanobacteriaceae) with Methanobacterium.

^{**} Pyrococcus horikoshii shares the family Thermococcaceae with Thermococcus celer.

Eucarya ("Tree of Life" tree)

•	Entamoebae/Myxomycota		
	0	Dictyostelium discoideum	
•	Animalia		
	\circ	Homo saniens (human)	

- O Homo sapiens (human)
- O Bos taurus (cattle)
- O Physeter catodon (sperm whale)
- O Ornithorhynchus anatinus (platypus)
- O Nestor notabilis (kea)
- O Aptenodytes forsteri (emperor penguin)
- O Danio rerio (zebrafish)
- O Python bivittatus (Burmese python)
- O Bombyx mori (silkworm)
- O Musca domestica (housefly)
- O Crassostrea gigas (Pacific oyster)
- Fungi
 - O Auricularia subglabra (jelly fungi)
- Plantae
 - O Zea mays (maize)
 - O Citrus sinensis (sweet orange)
 - O Erythranthe guttata (Yellow monkey flower)
 - O Populus euphratica (Euphrates or desert poplar)
 - O Solanum lycopersicum (tomato)
 - O Green algae
 - Coccomyxa subellipsoidea (green algae)
- Ciliates
 - O Cryptosporidium parvum Iowa II (apicomplexan protozoan) **
- Flagellates
 - O Guillardia theta (flagellate cryptomonad algae)
 - O Salpingoeca rosetta (choanoflagellate, closest living relatives of the animals)

(soil-living amoeba, slime mold) *

- O Leishmania infantum (kinetoplastid protozoan with single flagellum)
- O Diplomonads
 - Giardia lamblia (flagellated protozoan parasite)
- O Trichomonads
 - Trichomonas vaginalis (anaerobic, flagellated protozoan parasite)
- Microsporidia
 - O Nosema ceranae (unicellular honey bee parasite)
- - O Naegleria gruberi (famous for ability to change from amoeba to flagellate)
 - O Blastocystis hominis (single-celled protozoan human parasite)
 - O Reticulomyxa filosa (freshwater foraminifer with anastamozing pseudopodia)
 - O Capsaspora owczarzaki (single-celled amoeba symbiont with tropical freshwater snail)
 - O Paulinella chromatophora (photosynthetic freshwater amoeboid)

^{*} Dictyostelium discoideum shares phylum Amoebozoa with genus Entamoeba and infraphylum Mycetozoa with other slime molds ("myxomycota" is an informal term for fungus-like amoebozoa)

^{**} Apicomplexa is a sister taxa to Ciliates

Eucarya (eukaryotes-only tree)

•	Plants and green algae			
	O Plants			
	■ Zea mays (maize)			
	■ Citrus sinensis (sweet orange)			
	Erythranthe guttata (Yellow monkey flower)			
	Populus euphratica (Euphrates or desert poplar)			
	■ Solanum lycopersicum (tomato)			
	O Green algae			
	■ Coccomyxa subellipsoidea (green algae)			
•	Rhodophyta (red algae)			
•	Animals			
	O Homo sapiens (human)			
	O Bos taurus (cattle)			
	O Physeter catodon (sperm whale)			
	O Ornithorhynchus anatinus (platypus)			
	O Nestor notabilis (kea)			
	O Aptenodytes forsteri (emperor penguin)			
	O Danio rerio (zebrafish)			
	O Python bivittatus (Burmese python)			
	O Bombyx mori (silkworm)			
	O Musca domestica (housefly)			
	O Crassostrea gigas (Pacific oyster)			
•	Choanoflagellate ("free-living unicellular and colonial flagellates, considered to be closes living relatives of animals") O Salpingoeca rosetta			
•	Filasterea			
	O Capsaspora owczarzaki (single-celled symbiont in freshwater snails)			
	() () () () () () () () () ()			
•	Ichthyosporea/Mesomycetozoea (fish parasites)			
	Fungi			
	O Auricularia subglabra ("jelly fungi")			
	O Nosema ceranae (microsporidian, parasitic fungi)			
	O Nosema ceranae (microsportalan, parasitic rangi)			
•	Nucleariidae (filose amoebae)			
•	Amoebozoa (slime molds, etc.)			
	O Dictyostelium discoideum (soil-living amoeba, slime mold)			
•	Cercozoa O Paulinella chromatophora (freshwater amoeboid)			
	O Taatmetta emomatophora (iresimater amoebola)			
•	Foraminifera (amoeboid protists)			

O Reticulomyxa filosa (freshwater foraminifer with anastamozing pseudopodia)
Radiolaria (protozoa w/ mineral skeletons)
 Alveolates (protists "with cavities") Cryptosporidium parvum (mammalian intestinal parasite)
 Stramenopiles, aka Heterokonta (water molds, etc.) O Blastocystis hominis (single-celled protozoan human parasite)
 Hacrobia - This is apparently a complicated group. Maybe includes heterokonts (see above), haptophytes, and cyrptomonads, telonemids, and centrohelids, although some argue about these groupings. O Guillardia theta (cryptomonad)
Malawimonas (small flagellates)
 Euglenozoa (flagellate protozoa, etc.) C Leishmania infantum (trypanosome that causes leishmaniasis)
 Heterolobosea (amoeboflagellates) Naegleria gruberi (famous for ability to change from amoeba to flagellate)
Jakobida (heterotrophic flagellates)
 Parabasalids (trichomonads - anaerobic protists, etc.) Trichomonas vaginalis (pathogenic protozoan causing trichomoniasis in humans)
 Fornicata (diplomonads, etc.) Giardia lamblia (intestinal parasite causing giardiasis)
Preaxostyla, aka Anaeromonadea (oxymonads, etc.)