

MICRO EUKARYOTES

- 1 Pseudopodial form (Amoebas)
2. Flagellates (Algae): green algae, dinoflagellates (D)
- 3 Flagellates (Parasites), trypanosomes, diplo & trichomonads (no mitochondria, anaerobic)
- 4 Ciliates (large, predatory, 2 nuclei (2F))
- 5 Slime moulds - acellular & cellular
 - myxomycetes - form plasmodium (unicellular) & fruiting body
 - dictyostelids - form multicellular slugs & asexual fruiting body
- 6 Apicomplexans - complex multi-host life cycle
7. Fungi - no flagellum, no engulfing, chitin, hyphae (separate or coenocytic) that form mycelium, different mating types fuse
 - ascomycetes / sac fungi: ex moulds, lichens, yeasts, more than 100,000 species
 - basidiomycetes / club fungi: ex mushrooms, puffballs, rusts & smuts
 - yeasts - unicellular fungi
- 8 Fungi-like
 - oomycetes (algae) - zoospores (flagella), cellulose, mycelium, decomposers
 - chytrids (flagellates) - zoospores (flagella), chitin, mycelium, decomposers
 - streptomycetes (bacteria) - $\oplus$ mycelium, produce antibiotics, fission of asexual hyphae
 - myxobacteria - aggregate in a fruiting body

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