



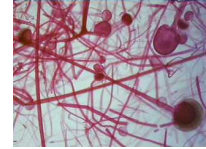
KINGDOM FUNGI



Characteristics



Hyphae



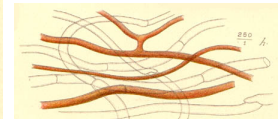
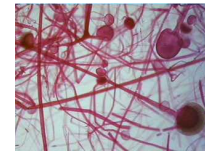
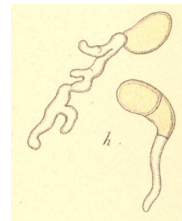
Spores germinate - grow into hyphae



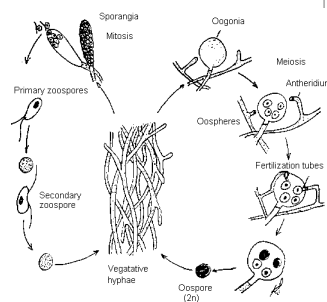
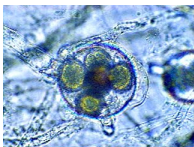
Decomposing wood

Pizza Mushrooms

- *Domain* Eukarya
- *Kingdom* Fungi
- *Phylum* Basidiomycota
- *Class* Hymenomycetes
- *Order* Agaricales
- *Family* Agaricaceae
- *Genus* *Agaricus*
- *Species* *bisporus*



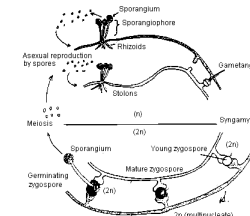
Oomycota - water molds



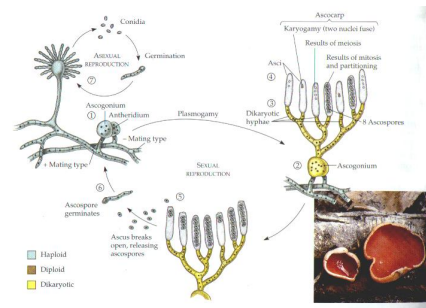
Zygomycota - common molds



Black bread mold



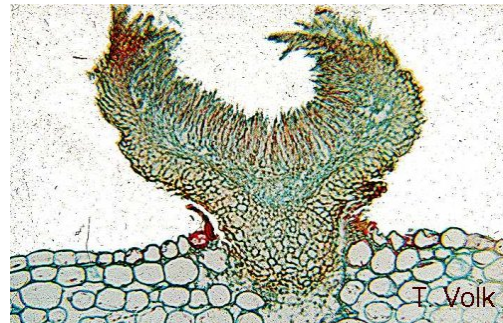
Ascomycota - Sac fungi



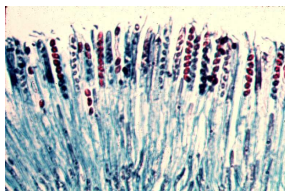
Morels



Ascomycota, cup sectioned



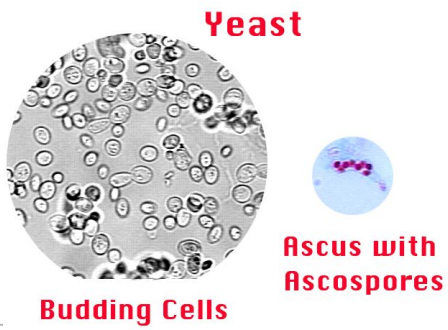
Ascospores with ascosporangia



Ascomycota cup fungi



Ascomycota/Hemisacomyota-Yeast



Basidiomycota - Club fungi



Basidiomycota-mushrooms



Basidiomycota-puffballs



Basidiomycota-bracket fungi



Fig. 1

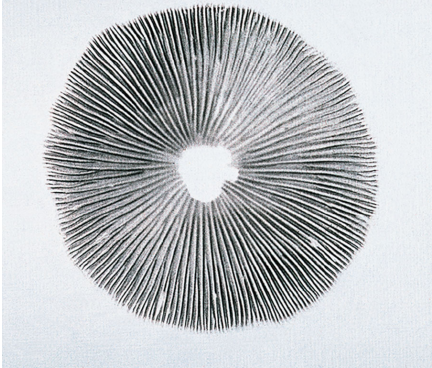


Fig. 19.30



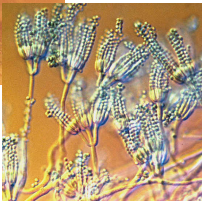
Fig. 19.14a





Blue cheese

Deuteromycota -
imperfect fungi



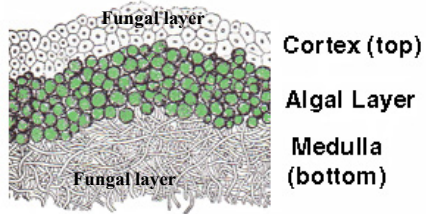
Penicillium

Symbiotic relationships

- Lichens
- Mycorrhizae

Lichen structure

Cross Section of Lichen



Crustose lichen



Fruticose lichen



Foliose lichen

