

Raven et al, 2005, pp. 268-269, 265

**Former Zygomycota**

**Now, Mucoromycotina, Entomophthoromycotina, Glomeromycota**

Tree of Life and the former Zygomycota

Numbers of taxa

Phyla and Subphyla of former Zygomycota

Mucoromycotina

Saprobies

*Gilbertella*

Life cycle, sporangial development, mating, zygospore development

*Rhizopus*

Spore discharge and food

*Pilobolus*

Spore discharge and dispersal

Entomophthoromycotina

Saprobe (normally)

*Basidiobolus*

Parasites

*Entomophthora*

Glomeromycota

Symbionts

*Glomus* and relatives

Origin of land plants

Arbuscules

Mycorrhizae, arbuscular mycorrhizae

*Geosiphon*, the Glomeromycota lichen

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**Watch this with the sound up: <http://www.youtube.com/watch?v=TrKJAojmB1Y>**