

While learning/lecturing about kingdoms Protista and Fungi note the following:

- \*Types of nutrition (how they obtain their food/energy)
- \*Types of reproduction (how they reproduce)
- \*Unicellular and/or multicellular structures/examples (if they are unicellular or multicellular and names of these structures)
- \*Specialized cell structures (organelles, cell walls, etc...)
- \*Ecological niches (the role they play in an ecosystem and how they affect other organisms)
- \*Create a table that includes all of the above, plus at least two examples of the organisms discussed.

## **Kingdom Protista Outline** (From your textbook)

### **Protist characteristics:**

#### **Animal-like Protists**

Phylum Zoomastigina

Phylum Sarcodina

Phylum Ciliophora

Phylum Sporozoa

#### **Plant-like Protists**

Phylum Euglenophyta

Phylum Chrysophyta

Phylum Bacillariophyta

Phylum Pyrrophyta

Phylum Rhodophyta

Phylum Phaeophyta

Phylum Chlorophyta

#### **Fungus-like Protists**

Phylum Acrasiomycota (cellular slime molds)

Phylum Myxomycota (acellular slime molds)

Phylum Oomycota (water molds)

**Kingdom Fungi Outline** (from your textbook)  
**Fungal characteristics:**

**The Common Molds:**

- Phylum Zygomycetes
  
- Zygosporangium
- Rhizoids
- Stolons

Life Cycle of Molds:

- Gametangia –

**The Sac Fungi:**

- Phylum Ascomycota

The Life Cycle of Sac Fungi:

- Conidia –
- Ascus –.

Yeasts:

- Budding -

**The Club Fungi:**

- Phylum Basidiomycota