**Angiosperms**Anthophyta  
 -Monocotyledonae  
 -Dicotyledonae

**Gymnosperms**Cycadophyta *(Zamia pumila)*  
Ginkophyta *(Ginko biloba)*  
Gnetophyta *(Ephedra)*Coniferophyta *(Pinus)*

Bryophyta  
 - Hepaticae *(Marchantia)*  
 -Musci *(Mnium)*  
Psilotophyta *(Psilotum nudum)*

Lycophyta *(Lycopodium)*  
Sphenophyta *(Equisetum arvense)*Pterophyta *(Polypodium)*

**HOMOSPOROUS SPORE PRODUCTION**

Sporangium in sporophyll spore bisexual gametophyte eggs  
 sperm

HETEROSPOROUS SPORE PRODUCTION

Megasporanguim in megasporophyll megaspore female gametophyte eggs

Microsporangium in microsporophyll microspore male gametophyte sperm

**Seedless**   
-homosporous (most)

**Seeded**  
-heterosporous (all)

**Vascular**-woody and herbaceous

**Nonvascular**  
-thallus  
-use diffusion/cap action/cyto stream

**Kingdom Plantae**  
multicellular, photosynthetic eukaryotes  
develop from embryos