Biology 0871 **Plants**

760 species cone bearing plants

11,000 species of ferns and relatives

15,600 species of mosses and relatives

235,000 species of flowering plants

**Vocabulary**

Multicellular

Eukaryotic cell

Cell Wall

Cellulose

Photosynthesis

Autotroph

Parasitic

Saprobe

Vascular Tissue

 -xylem

 -phloem

Roots

Stems

Leaves

Osmosis

Diffusion

Mitosis/Meiosis/Sexual Reproduction/Asexual Reproduction/Haploid/Diploid

Gametes/spores/Antheridia/Archegonia/Egg/Sperm/Zygote

**Kingdom Plantae**

**Phylum Bryophytes** – Mosses, liverworts and hornworts

1. Unique Features:

 i.

 ii.

2. How do bryophytes transport water and nutrients from cell to cell?

3. Why are bryophytes low growing, small plants?

4. What is the structure of a moss plant?

5. What are rhizoids?

6. Life Cycle of a Moss

1. Alternation of generations = gametophyte/sporophyte

Which generation is dominant?

 2. What are the characteristics of the gametophyte stage?

 3. What are the characteristics of the sporophyte stage?

 4. What is the relationship between the gametophyte and the

 sporophyte generations of a moss plant?