

**Procedure:**

The chart on this sheet lists characteristics found in one or more groups of plants. Indicate the presence of a characteristic in a plant group by putting a **check mark** in the appropriate column.

Characteristic	Bryophytes	Pterophytes	Gymnosperms	Angiosperms
1. Gametophyte is more conspicuous than sporophyte.				
2. Vascular tissues are present.				
3. Largest group of plants.				
4. Made up of eukaryotic cells.				
5. Usually found in moist habitats.				
6. Under goes alternation of generations.				
7. Seeds develop in a cone in most species.				
8. Cell walls contain cellulose.				
9. Male gametophyte is carried by wind to female.				
10. Cells contain membrane-bound chloroplasts.				
11. Seeds surrounded by a protective coat				
12. Sporophyte generation is diploid.				
13. Rhizoids anchor the plant in place.				
14. Spores form in sporangia.				
15. Lacks true roots, stems, and leaves.				
16. Many species have waxy, needle like leaves.				
17. Lacks a vascular system.				
18. Requires water for sperm to swim to egg.				
19. Seeds are enclosed in a fruit.				
20. Sperm is carried to the egg by a pollen tube.				

**Analysis of Results:**

1. Listed below are the group names of these plants. For each group name, indicate the common name.

- a. bryophytes \_\_\_\_\_
- b. pterophytes \_\_\_\_\_
- c. gymnosperms \_\_\_\_\_
- d. angiosperms \_\_\_\_\_