

Name _____

Period _____

Ms. Foglia

Date _____

AP: CHAPTER 29 & 30: PLANT DIVERSITY

1. Chart the four phyla of the plant kingdom. Include common names of each, the approximate number of extant species, and the major characteristics.

a. _____

b. _____

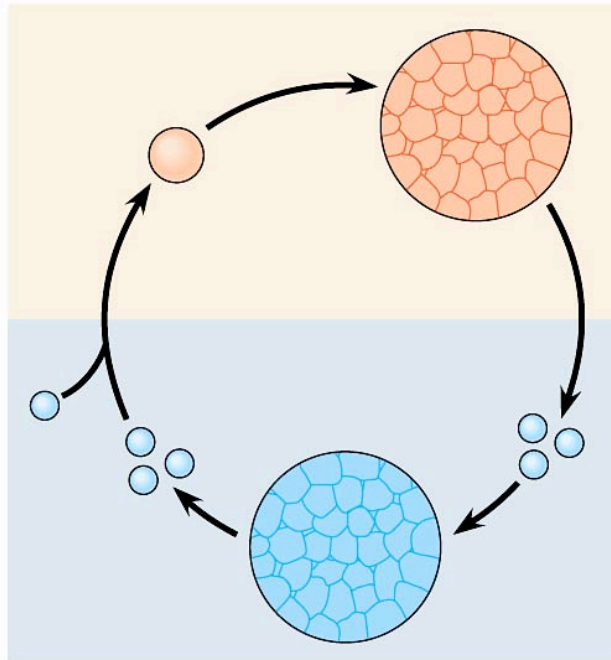
c. _____

d. _____

2. Why are Charophyceans thought to be ancestors of land plants?

3. List several adaptations of land plants significant for terrestrial survival.

4. Label the generic diagram to explain Alternation of Generations.



5. Describe a few features common to Bryophytes.

6. What is the dominant phase of the moss life cycle?

7. List a couple of adaptations of Pteridophytes (ferns) not seen in Bryophytes.

8. What is the dominant phase of the fern life cycle? _____

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9. How is the reduced gametophyte an adaptation for seeded plants?

10. What is the significance of the seed? _____

11. What was the advantage of pollen? _____

12. List the four phyla of gymnosperms. Which is the most common? _____

13. Identify five differences between monocots and dicots.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

14. What is the adaptive value of the flower to plants? _____

15. Describe the role of ovaries and ovules in the flowering plants.

16. List several features of angiosperms that aid in seed dispersal.

