Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hmwk 9.4 Plant Reproduction

1. Explain how a flower can be created from a shoot apex.
2. Give 5 differences between monocot plants and dicot plants.
3. Explain how both Pr and Pfr are used to signal a plant to respond to its environment.
4. Explain the differences between long day plants and short day plants, and how the same levels of Pfr cause different reactions in them.
5. Explain how a florist could manipulate when flowers bloom.
6. Explain the differences between pollination and fertilization, as well as the differences between self-pollination and cross pollination.
7. Explain the relationship between pollinators and their associated plant species over Earth’s history.
8. What are the current beliefs and concerns regarding the world’s pollinators, and how that might affect the planet? What do you believe our responsibilities are?
9. Explain how seeds are formed, and what the parts of a seed do.
10. List three ways plants disperse their seeds.
11. Explain how fertilization and pollination are related by naming and explaining the parts of a flower.
12. Explain the difference between the gametophyte and sporophyte generation in plants.