

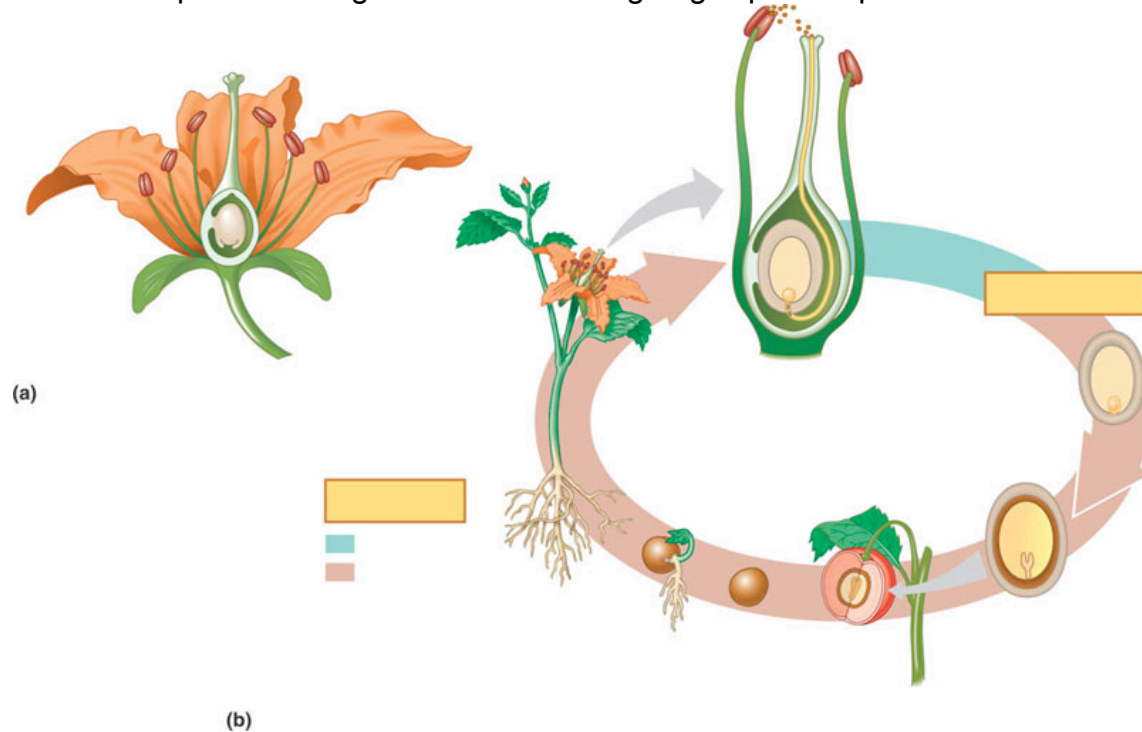
Name _____

AP Biology**Chapter 38 - Angiosperm Reproduction and Biotechnology****Guided Reading Assignment Campbell's 10th Edition****Essential Knowledge**

2.E.1 Timing and coordination of specific events are necessary for the normal development of an organism, and these events are regulated by a variety of mechanisms

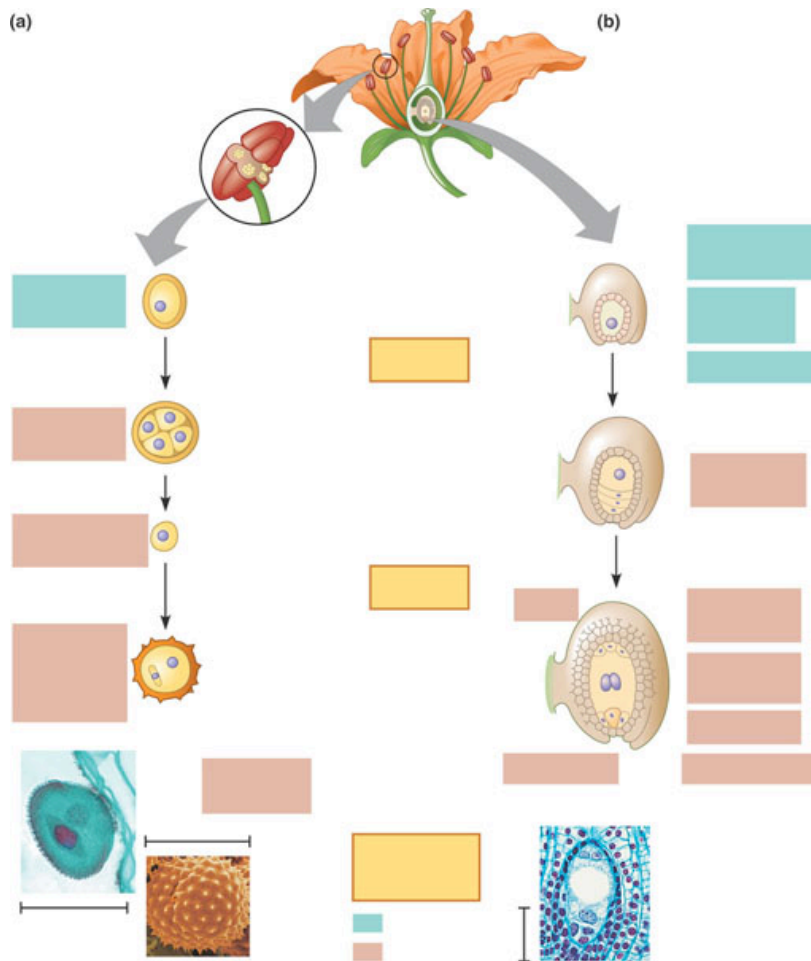
2.E.2 timing and coordination of physiological events are regulated by multiple mechanisms

1. Complete the diagram below outlining angiosperm reproduction.



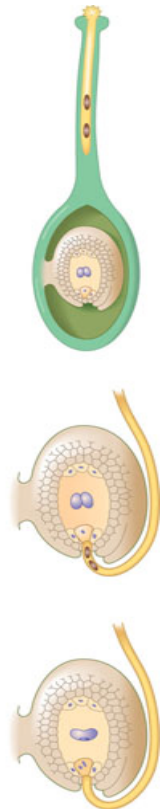
2. What is the difference between complete and incomplete flowers?
3. Compare and contrast monoecious and dioecious plants.

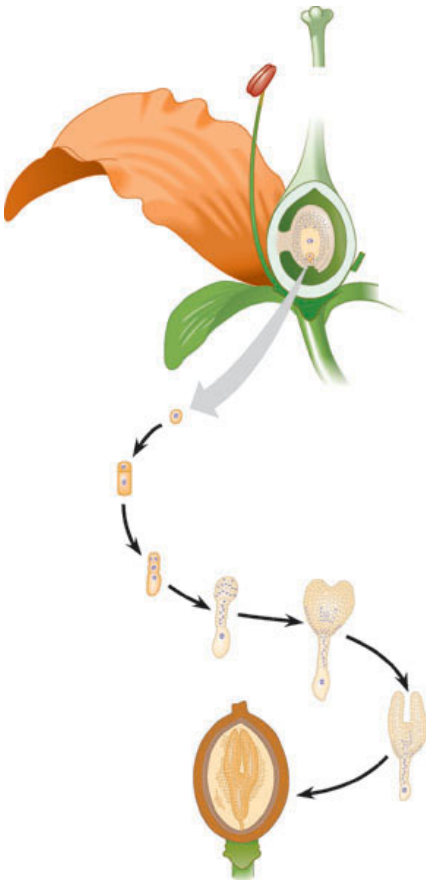
4. Label the following diagram of the development of angiosperm gametophytes.



5. Why is self-incompatibility important to plant diversity?

6. Use the diagram to explain growth of the pollen tube and double fertilization.





7. Use the diagram to explain the development of a eudicot plant.
8. Define the following words:
 - a. Seed Coat
 - b. Hypocotyl
 - c. Radicle
 - d. Epicotyl
9. What is vegetative reproduction?
10. How are the various methods for asexual propagation used for improving crops and ornamental plants?