

Pre-AP Biology Flower Dissection Worksheet

Name: _____

Directions: Use page 612 in your book, your diagram and your glossary.

1. List the flower part for each description.
 - a. Long, thin stalk that supports an anther
 - b. Collective term for petals
 - c. Narrow stalk of a carpel
 - d. Contains one or more ovules where female gametophytes are produced
 - e. Sticky portion at the top of the style that catches pollen
 - f. Produces male haploid gametophytes (pollen)
 - g. Collective term for sepals
 - h. Consists of anther & filament
 - i. Leaf like structure at base of flower - encloses a bud and protects flower while it is developing
 - j. Consists of stigma, style, and ovary
 - k. Connection point of petals and sepals
 - l. Brightly colored structure designed to attract pollinators
 - m. Connects receptacle to stem of plant
2. Label all the flower parts indicated on the attached diagram. Be sure you know all parts on this diagram. Not all of them are in your textbook.

Information to Know:

3. A **perfect flower** has both male AND female parts (stamen AND pistil)
4. An **imperfect flower** is EITHER male or female but NOT both.
5. A **complete flower** has stamens, pistils, petals and sepals
6. An **incomplete flower** is missing one or more of the parts of a complete flower

Lab Procedure: Follow the instructions on the worksheet.

1. **As you locate** EACH part of the flower:
 - a. Answer the questions in the Instructions section as you complete the lab.
 - b. **As you follow the instructions**, take the flower apart as indicated, separate it from the stem & carefully tape it to a piece of paper—**In the position it would be in if still attached!**