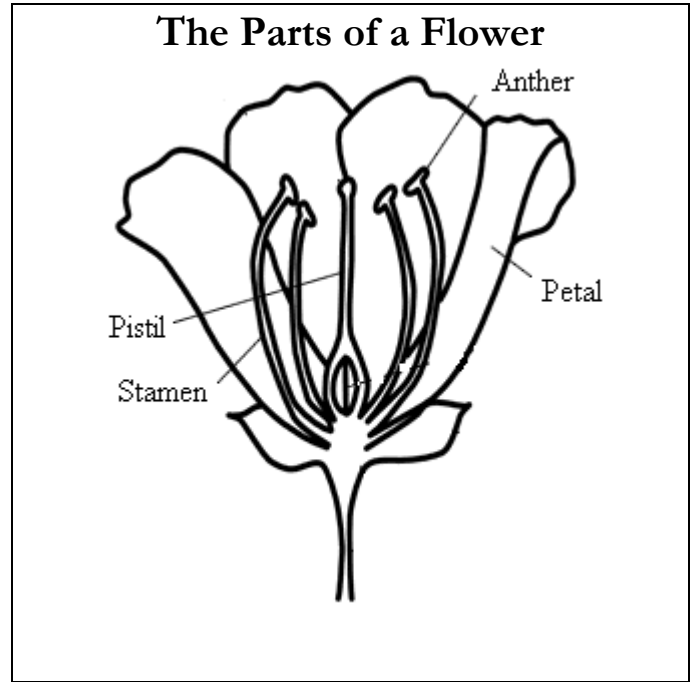
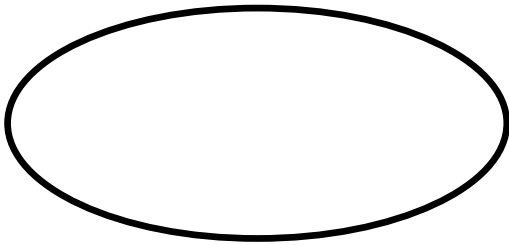


LESSON 6: Pollination

Flower Power

Exploration: Flower Dissection

1. Count the number of petals on the flower
Record this number in the Results Chart below.
Remove the petals from the flower with your fingers.
2. Group the petals in your tray.
3. Count the stamens on the flower.
Record the number in the Results Chart..
4. Remove the stamens with your fingers. **DO NOT TOUCH THE TIP!**
5. Group the stamens in your tray.
6. Gently tap the tip of one stamen here:



7. Use a hand lens to look at what came off the stamen.
If nothing came off, look at the tiny grains on the anther.
What do you think these are?

8. Find the pistil. **Record the number in the Results Chart.**

9. Put the pistil in your tray.
10. Now, raise your hand. An EcoTeam instructor is going to help you break open the base of the pistil. Please be patient.
11. Use your hand lens to examine the base of the pistil. What do you see?

Number of Petals	
Number of Stamens	
Number of Pistils	

12. **Now we will watch a video.** What do you think is happening in the video? Write your idea.

Vocabulary:

<i>Petal</i>	The colorful part of the flower that attracts animals
<i>Pistil</i>	The part of a flower that makes eggs that grow into seeds
<i>Pollen</i>	Tiny grains that combine with flowers' eggs to make new plants
<i>Stamen</i>	The part of a flower that makes pollen
<i>Anther</i>	The tip of the Stamen that holds the pollen
<i>Pollination</i>	The movement of pollen from a stamen to a pistil by animals or wind

Learning Activity: Design Your Own Flower

- **Interview your partner. Ask your partner the following questions:**
 1. What is your favorite color? _____
 2. What is your favorite shape? _____
 3. What smells good to you? _____
 4. What is your favorite fruit or vegetable to eat? _____
- **Now imagine that you are a flower and your partner is the pollinator. On the next page, design a flower that matches what your partner likes. On the lines at the bottom of the page, describe why the flower you design will attract your partner and help you pollinate.**