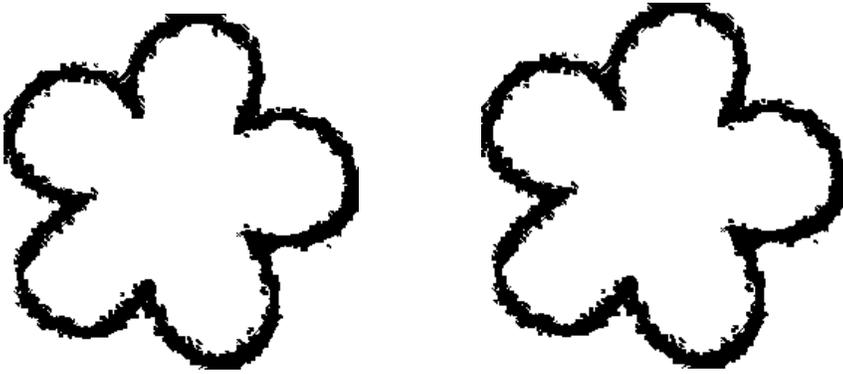


Flower Parts Lab Sheet

Step One: Stem

- Cut off a piece of your stem.
 - Cut it in half vertically, exposing the inside workings of the stem.
 - Describe what you see – use your hand lens to get a closer view. 
-
- Tape the exposed part of your stem in the .



Step Two: Sepal

- How many sepals does your flower have? _____
 - Using your sense of touch to make observations.
 - Hold one sepal up to the light to observe the veins.
 - Use your hand lens to observe both sides. Describe your observations.
-
- Tape a sepal in the  .



Step Three: Petals

- How many petals does your flower have? _____
- Hold one petal up to the light to observe the veins.
- Describe your observations, the color & fragrance.

- Why do you suppose flowers have a color & a scent?
- Tape a petal in the .
- Was there a difference between the sepals & petals? Similarities?

Step Four: Stamen

- How many stamen does your flower have? _____
- Draw and label a stamen.

- Use your hand lens, what do you see on the anther?

- Don't tape the stamens in the  until after the next section.



Step Five: Pollen

- On top of the stamen is the anther. Pick off an anther and rub the pollen grains between your fingers and across the paper. Describe how it feels and what it looks like.

- Now use the index card & tape to make your own slide.
 - Use a hole puncher to make a hole in your index card.
 - Place tape on one side of the opening, leaving the other side of the opening sticky.
 - Take a new anther and tap it on the sticky opening until you can see pollen has stuck to the tape.
 - Take another piece of tape and cover the pollen.
- Take your slide over to the microscope and then draw & describe what you see in the  below.

Describe.

Draw.

Now tape a stamen with its filament and anther attached back on step four.



Step Six: Pistil

- Carefully pull your pistil off the receptacle and ovary.
- Observe it with your hand lens taking special care to check the stigma for the sticky substance that catches the pollen.
- How many prongs does your stigma have? _____
- Describe what you saw and touched.

- Tape your pistil in the .



Step Seven: Ovary

- Using scissors, cut the ovary in half vertically.
- Use your hand lens to draw and describe what you see.
- Label your drawing.
- What do fertilized ovules turn in to?
- Tape your ovary with the ovules exposed in the .

