NAME_____ DATE_____ HOUR_____

FLOWER ACTIVITY

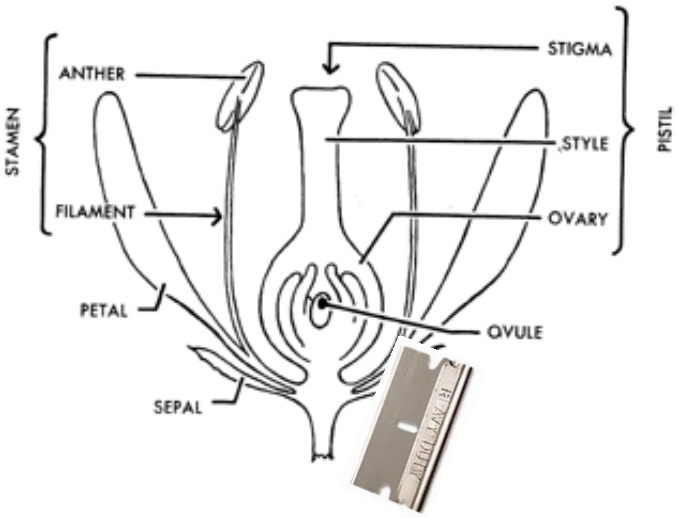
SEED PLANTS - 5

PURPOSE: To observe the parts of a simple flower and a composite flower!

MATERIALS NEEDED: Several varieties of flowers, dissecting scope one sided razor blades.

PROCEDURE – SIMPLE FLOWER:

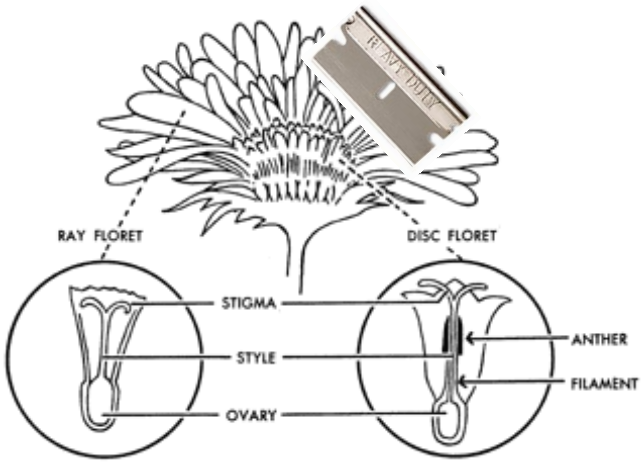
1. If possible, observe the plant that your flower came from!
2. Observe your flower!
3. Use your iPAD to take a picture of your simple flower.
4. Label all of the parts of the simple flower!
5. Use a one sided razor blade to cut your simple flower in two. Cut directly through the pistil
6. Look closely at the reproductive parts of your flower under a stereo scope!
7. Use you iPAD to take a picture of the dissected flower – may or may not need the dissecting scope.
8. Label all of the parts of the simple flower – cut in half!



FLOWER EXTERIOR- LABELD	CUT FLOWER INTERIOR - LABELED

PROCEDURE – COMPOSITE FLOWER: **NO COMPOSITE FLOWERS IN 2014 – USE A PRELABELED PCITURE**

1. If possible, observe the plant that your flower came from!
2. Observe your flower!
3. Use your iPAD to take a picture of your Composite flower.
4. Label all of the parts of the Composite flower!
5. Use a one sided razor blade to cut your Composite flower in two. Cut directly through the center of the flower's central disk.
6. Look closely at the reproductive parts of your Composite flower under a stereo scope!
7. Use you iPAD to take a picture of the dissected flower– may or may not need the dissecting scope.
8. Label all of the parts of the Cut Composite flower!



COMPOSITE FLOWER EXTERIOR- LABELD	COMPOSITE CUT FLOWER INTERIOR - LABELED

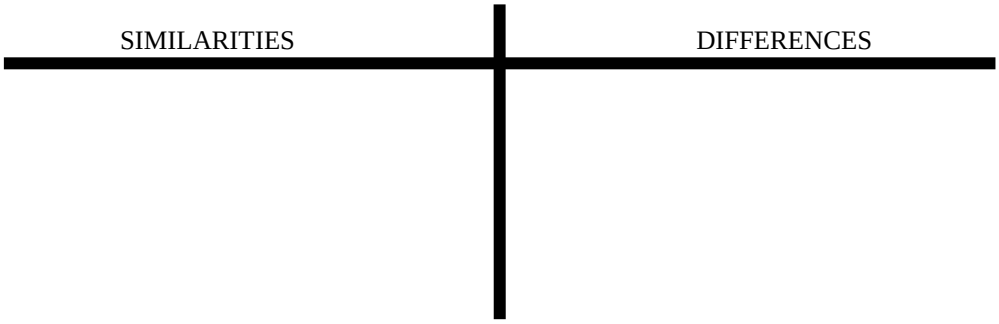
PROCEDURE – POLLEN WET MOUNT:

1. Observe the wet mount of pollen that is in front of the room
2. Use your iPAD to take a picture of the pollen.
3. Label a couple of the individual pollen grains!
4. Paste the picture of your labeled pollen onto this document.

WET MOUNT OF POLLEN GRAINS

CONCLUSIONS:

1. Fill in the following T-Chart. How are simple and composite flowers alike and how are they different?



2. Fill in the following table:

STRUCTURE	**DESCRIPTION**	**FUNCTION**
Sepal		
Petal		
Stamen		
Anther		
Filament		
Stigma		
Style		
Ovary		

3. When a fruit develops after fertilization, what part of the flower does it develop from? _____

4. How does detasseling corn control the production of corn hybrids?

5. How might a flower grower keep a simple flower from self-fertilizing? Include a picture of this process. (Google it!)

6. How could I purposely cross-pollinate one simple flower with another? Include a picture of this process. (Google it!)

7. How do insects aid in plant pollination? Include a picture of this process. (Google it!)