**Parts of a Flower LAB**

**Word List:**  petal sepal filament anther stigma ovary style

1. Choose a flower and examine closely with a magnifying glass to see greater details of flower part structures. Each species of flower unique. Notice the differences between your flower and the one in the text book with respect to colour, number of petals, stamens, pistils, size, and shape.

How is your flower different? Describe your flower:

|  |  |
| --- | --- |
| Colour of petals |  |
| Number of petals |  |
| Number of sepals |  |
| Number of stamens |  |
| Number of pistils |  |

2. Remove a few petals so you can see inside the flower. Draw and Label a diagram, of YOUR flower using page 85 or 98 as a guide.

**3. Petals and Sepals**

a) How many coloured petals are present? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Which of the parts you labelled are male structures? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) which of the parts you labelled are female structures? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) What advantage to the flower are coloured petals? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) How many green leaves surround the bottom of the flower? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) What is their function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4. Cut** through the **pistil** **lengthwise** using a scalpel and examine using a magnifying lens. **Draw** a diagram of the inside of the pistil and **label** the parts you can identify

**Questions:**

1. Why do you think sepals are usually not coloured the same as petals?
2. Does your flower use internal or external fertilization? What is your evidence?
3. What is the difference between pollination and fertilization in a flower?
4. How do you think your flower gets pollinated? What is your evidence?
5. Compare insect pollinators to wind pollination. Which do you think is more effective. Explain your reasoning.
6. What are some other ways that plants reproduce themselves?