

## Title: Flower Lab

### Purpose:

- To observe and describe flowers and flower parts
- To compare and contrast flower structure and arrangement

### Materials:

- 10 different flowers
- Textbook
- *Flower Structure Information Sheet*  
<http://www.rbgekew.org.uk/ksheets/pdfs/flower.pdf>
- Magnifying glass and/or dissecting microscope

### Procedure

1. Draw and label a diagram of a typical angiosperm (flowering) plant
  - a. Use Figure 29.2 (page 500) of textbook as a model
2. Draw and label a diagram of a typical flower
  - a. Use Figure 31.3 (page 532) as a model
3. Prepare a chart to compare/contrast the structure of Dicot and Monocot Flowers
  - a. Use Figure 29.10 (page 501) as a model
4. Describe the structure of 10 different flowers:
  - a. Name each flower
  - b. Draw and label flower parts
    - You may actually have 2~3 drawings for each flower!
    - Remember to indicate color of the parts (use colored pencils or markers!)
  - c. Describe the flower structure, shape, arrangement, using appropriate terms from the *Flower Structure Information Sheet*

### Results:

- Labeled drawings of representative plant and flower
- Monocot~Dicot comparison chart
- Labeled drawings and descriptions of 10 different flowers

### Discussion:

- Summarize what you did
- Describe the differences and similarities in flower structure that you noted
- Comment on the functional significance of these similarities and differences

### Conclusion:

- A testable statement about flower structure

### Reflection:

- Commentary on what you learned from the lab

