

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 (please download and copy in color!)*
<http://www.rbqkew.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. See Chapters 30 and/or 38 of textbook
2. Draw and label a diagram of a typical flower
 - a. See Chapters 30 and/or 38 of textbook
3. Prepare a chart to compare/contrast the structure of Dicot and Monocot Flowers
 - a. See Chapter 35 of textbook
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*
<http://www.rbqkew.org.uk/ksheets/pdfs/flower.pdf>

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:

- Not necessary for this lab!

Reflection:

- Commentary on what you learned from the lab

