

## Flower Dissection and/or Flower Poster project

Do you have azaleas growing in your yard? What about tulips or lilies? This project is meant to be done whenever you find a flowering plant in your yard. You may repeat it with different flowers as often as you want. If you decide to do a poster instead, make sure you draw all of the flower parts and label them. Don't forget to answer the questions! Use the "Basic Plants and Flower Parts" study guide, the "Flower diagram," and the "Basic Parts of a Flower" reading passage to help you with this assignment.

Flower Dissection instructions: \*Find a piece of paper or plain cardboard for your project.\* 1. Pick a flower or a blossom from a tree. 2. Locate the petals. What function do petals perform?

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\_\_\_ 3. Tape the petal onto your paper/cardboard and label it. Remove the rest of the petals gently. 4. Using your diagrams, try to locate the sepal of your flower. This should be a leaf like structure at the base of your flower. What is the function of the sepal?

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\_\_\_ 5. Tape the sepal onto your paper/cardboard and label it. (Not all flowers have obvious sepals.) 6. Using your diagram, locate the stamens surrounding the pistil. Gently pull them off (Leave the pistil intact for now!) Take one of the stamens and tape it onto your project. Label it. 7. Look at the stamen you labeled. Find the anther at the top of the stamen, and the filament holding it up. Label both the anther and the filament parts of the stamen. What is the purpose of the anther at the top of the stamen?

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\_\_\_ 8. Locate the centerpiece of the flower (above the stem). The entire thing is the pistil. The very top of the pistil is the sticky stigma. What is the purpose of the stigma?

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\_\_\_ 9. Starting at the stigma, look down the pistil. The stalk part that holds up the pistil is the style. Now find the fat part at the bottom of the pistil. This is the ovary. What does the ovary eventually turn into?

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\_\_\_ 10. Try not to tear apart the entire pistil, but gently open up the ovary with a fingernail. Do you find tiny things inside? These are the ovules. What will the ovules turn into?

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\_\_\_ 11. Tape the entire pistil onto your project. Label it as the pistil. Now label the stigma at the top, the style (stalk part), and the ovary (fat bottom.) If you found some ovules, label them too.