

Inside a Flower

1. **Collaborate** Work in small groups. Record your observations in the chart below.

Drawing of Outer Structures	Drawing of Inside Structures

2. **Observe** Place the flower on the white paper and observe it carefully. Use the hand lens to see details.
3. **Record Data** In your chart, sketch the outside of the flower. Add labels to show colors, textures, and the numbers of each kind of structure.
4. **Experiment** Using the plastic knife, carefully slice the flower in half from top to bottom.
5. **Record Data** In your chart, sketch the inside of the flower. Add labels to record details.
6. **Communicate** Compare sketches with other group members. Discuss any differences you see. You may revise your sketch to make it more accurate.

Conclusion

Write the answers to the questions.

1. **Analyze Data** Were the same structures visible on the outside and inside of the flower? Explain.

2. **Infer** Why do you think plant scientists study the insides as well as the outsides of plants?

Investigate More!

Design an Experiment Plant seeds of field mustard plants or other fast-growing plants. Provide the plants light, water, and warmth. Observe and record the stages of their life cycle.