

**Chapter 18**

Use with Section 2

**ENRICHMENT****● Seed Plant Reproduction****How much pollen does a flower make?****Materials**

3 sheets of dark construction paper  
 ruler  
 hand lens  
 pencil  
 3 flowers

**Procedure**

1. Use your ruler to divide each sheet into eight equal parts.
2. Obtain three flowers from a local flower shop or from your yard.
3. Take one flower and one sheet of divided construction paper. Place the paper on a table. Turn the flower upside down and shake the pollen from the flower over the entire paper.
4. With the hand lens, count the number of grains of pollen in one section of the sheet. Then multiply that number by eight to get the estimated total number of grains that fell from the flower.
5. Repeat this process for each of the other two flowers.
6. Add the three totals together and then divide by three to obtain the average number of pollen grains that fell from each flower.

**Conclude and Apply**

1. What was the average number of pollen grains that fell from each flower? \_\_\_\_\_  
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2. From what part of the flower are these pollen grains falling? \_\_\_\_\_
3. Why would a flower make so many pollen grains? \_\_\_\_\_  
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