

# Plant Life Cycles, Pollination, and Reproduction Notebook

What are the main differences between green and nongreen plants?

| Green Plants                             | Nongreen Plants                          |
|------------------------------------------|------------------------------------------|
| <br><br><br><br><br><br><br><br><br><br> | <br><br><br><br><br><br><br><br><br><br> |

What do vascular plants have, and what job do these parts do? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What are alternative names for flowering seed plants and nonflowering seed plants? Give one or more example of each.

|                       | Examples | Alternate Name |
|-----------------------|----------|----------------|
| Flowering Seed Plants |          |                |

|                             |          |                |
|-----------------------------|----------|----------------|
| Nonflowering<br>Seed Plants | Examples | Alternate Name |
|-----------------------------|----------|----------------|

What are the differences between simple green plants and vascular plants?

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What are four examples of nongreen plants?

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Flowering seed plants mostly use what kind of reproduction? \_\_\_\_\_

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Illustrate and label the parts of a flower.

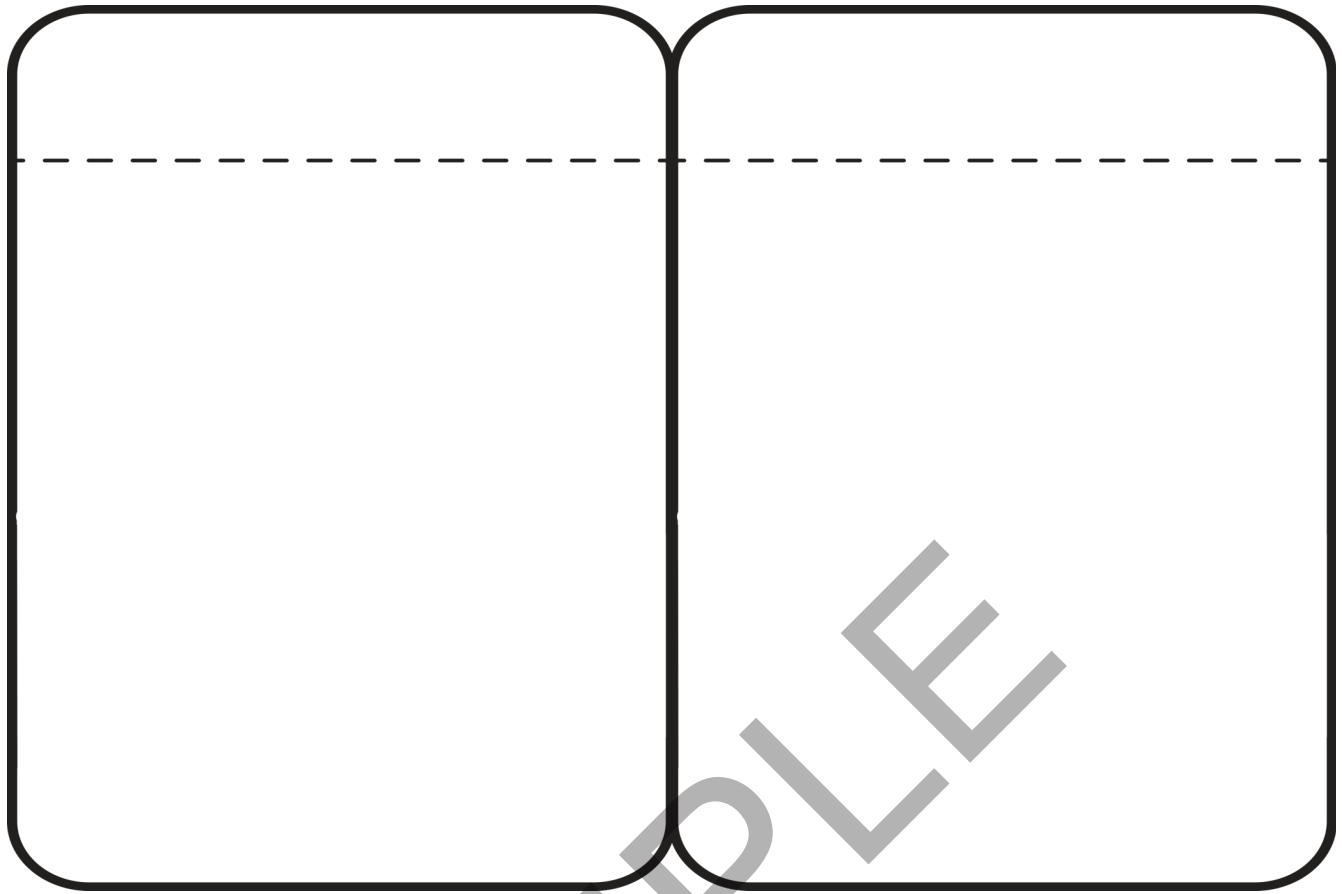
SAMPLE

What is another name for the stem? \_\_\_\_\_

What job do the sepals do? \_\_\_\_\_

\_\_\_\_\_

What are the two parts of the stamen? On the next page, write what you learned about each part.



What are the four parts of the pistil? Write what you learn about each part.

A large vertical rectangular box is divided into four equal horizontal sections by three horizontal lines. The right edge of the box is jagged, resembling a sawtooth pattern. This box is intended for students to write detailed notes about the four parts of the pistil.

What is it called when pollen is transferred from the stamen to the pistil? \_\_\_\_\_

\_\_\_\_\_

What are three ways pollen travels?

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What is the difference between self-pollination and cross-pollination?

| Self-Pollination | Cross-Pollination |
|------------------|-------------------|
|                  |                   |

On the next page, summarize what each of the three parts of a seed are or what they do.