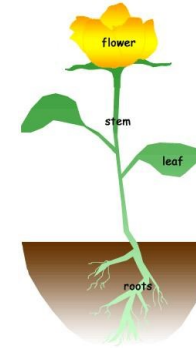




# Inherited Plant Traits



| Information About Me  |                           |                     |
|---|---------------------------|---------------------|
| <b>Gender (Circle One):</b> Male                                    | Female                    | <b>Grade:</b> _____ |
| <b>Are you part of a Military Family? (Circle One):</b> Yes      No |                           |                     |
| <b>Race &amp; Ethnicity (Circle any that apply):</b>                |                           |                     |
| White   | African-American or Black | Asian               |
| American Indian   | Pacific Islander          | Hispanic ethnicity  |

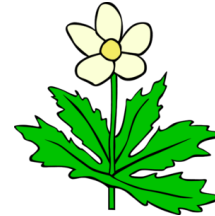
| Want to learn more?  |  |   |
|--|--|---|
| <b>Because of this lesson.....</b><br>Put an "x" in the box that describes how you feel. | <br><b>No</b> | <br><b>Yes</b> |
| 1. I would like to learn more about Inherited Traits.                                    |  |   |
| 2. I would like to learn more about other science-related subjects.                      |  |   |

| Vocabulary   |  |
|--|--|
| <b>DRAW A LINE</b> from each word to the correct definition. |  |
| <b>Pollination:</b>  | A. A characteristic passed from parent to offspring.   |
| <b>Heredity:</b>   | B. A child— in plants these are called seeds.  |
| <b>Trait:</b>  | C. Transfer of pollen from one plant to another.   |
| <b>Offspring:</b>  | D. The study of how parents pass on traits to their offspring. This is also called genetics. |

| Inherited Traits—The Basics  |             |              |
|--|-------------|--------------|
| <b>Answer the questions below by putting an "x" in the box.</b>                | <b>True</b> | <b>False</b> |
| 1. Plants have parents.  |             |              |
| 2. Offspring can resemble parents.   |             |              |
| 3. Learning how to read is an observable trait.                                |             |              |
| 4. Genes determine which characteristics offspring inherit from their parents. |             |              |



# Inherited Plant Traits



| Dominant or Recessive Gene?<br><b>CIRCLE</b> the correct GENE for each statement below |                                    |
|--|------------------------------------|
| This gene is stronger than the other   | DOMINANT<br><u>or</u><br>RECESSIVE |
| This gene is weaker than the other.  | DOMINANT<br><u>or</u><br>RECESSIVE |
| If a dominant gene and a recessive gene were in a competition, this gene would win.    | DOMINANT<br><u>or</u><br>RECESSIVE |
| This gene usually determines what observable traits are expressed in offspring.        | DOMINANT<br><u>or</u><br>RECESSIVE |

| Observable Traits—What do you see?   |  |
|--|--|
| <p>RED<br/>(Dominant)</p> <p>PARENT 1</p>  | <p>WHITE<br/>(Recessive)</p> <p>PARENT 2</p> |
| <p>Based on Observable Traits, what color petals will the offspring of Parent 1 and Parent 2 most likely express?</p> <p><b>CIRCLE</b> the correct answer below.</p> |  |
| A. Pink  | B. White                                     |
| C. Red   | D. Purple                                    |

What is the most important thing you learned?

