The Great Plant Escape

**Day 1**

* Use the [article](http://www.ck12.org/book/CK-12-Life-Science-For-Middle-School/r8/section/4.2/) to answer the questions below.

|  |
| --- |
| **Reactants:** Things **Needed** for Photosynthesis  |
| 1.  |
| 2.   |
| 3.   |

|  |
| --- |
| **Products:** Things **Produced** for Photosynthesis  |
| 1.  |
| 2.   |

* What is photosynthesis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where does photosynthesis take place? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the formula for photosynthesis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Case 1-**

Enter Here: <http://www.urbanext.uiuc.edu/gpe/gpe.html>   (or type “The Great Plant Escape” into Google)

* Start with plant structure and read through the rest of the case. Answer the following questions and define key vocabulary terms as you find them.
* What are the two types of roots? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* What is the purpose of a root? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Define the following terms:**

|  |  |
| --- | --- |
| Pistil |  |
| Stigma |  |
| Style |  |
| Ovary |  |
| Ovules |  |
| Stamen |  |
| Filament |  |
| Anther |  |
| Fertilization |  |
| Sepals |  |
| Fruit |  |
|  |  |

* Play the [game](http://www.esolhelp.com/parts-of-a-flower-diagram.html) to test your vocabulary and record your score here: **\_\_\_\_\_\_/10**

**Complete the Mysteries in Case 1. Record your scores below.**

* What are the parts of a plant? \_\_\_\_\_\_\_/6
* What is the life cycle of a plant? \_\_\_\_\_\_\_/3
* Go back to the vocabulary section and add a word from Case 1 that you think should have been included. Define it.
* What is the purpose of a flower? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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