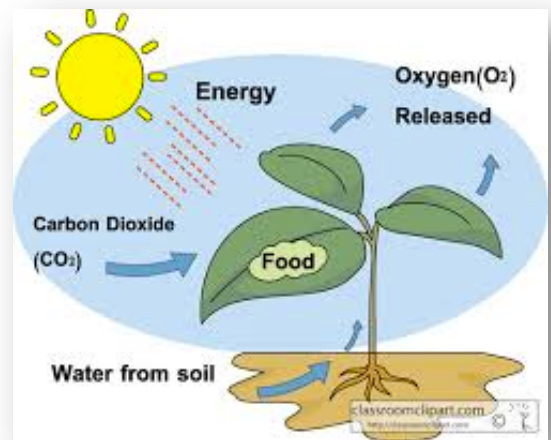


Unit: Plants

Lesson Objectives:

1. Describe the structure of a leaf and explain how the leaf has adapted for photosynthesis. Include (i) chloroplast, (ii) guard cells, (iii) stomata, (iv) cuticle, (v) palisade layer, (vi) spongy layer.
2. Describe the transport of water through a plant.
3. Explain how the location of the stomata on a leaf is an adaptation for life on land.
4. Explain how the environment impacts strategies that plants use for survival.
5. Identify and describe the different methods of asexual reproduction among plants.
6. Locate and identify the parts of plants humans use for food.
7. Identify and explain the structure and function of the flower reproductive system. Include (i) stigma, (ii) style, (iii) ovary, (iv) pistil, (v) stamen, (vi) anther, (vii) filament.
8. Explain the process of fertilization among sexually reproducing plants.
9. Explain the effect of gibberellic acid on the growth of pea plants.
10. Explain how plants use a variety of hormones to respond to internal and external stimuli.
11. Explain the risks and benefits of creating and consuming genetically modified plants.



Vocabulary

Leaf	Stem	Root	Photosynthesis	Chloroplast	Chlorophyll	Stomata	Stigma	Stamen
	Anther		Ovary	Filament	Guard Cells	Glucose	Xylem	Phloem
	Pollination		Fertilization					

Table of Contents

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Assignment	Date	In Class
Genetically Modified Food Homework Due 4/ 24 Plant Quiz Per 2/3 – 4/28 Per 3/4 –4/29	M 4/20	Per 2/3: Pre-survey, Microscope Review AND Intro to Plants Per 3/4: Pre-survey, Microscope Review
	T 4/21	Per 2/3: Stomata Lab Per 3/4: Intro to Plants AND Stomata Lab
	W 4/22	Per 2/3: The Plant Game AND Food Lab Per 3/4: The Plant Game
	Th 4/23	Per 2/3: Flower Dissection Per 3/4: Food Lab AND Flower Dissection
	F 4/24	Per 2/3: Plant Sexual Reproduction/ Hormones AND Hormone Lab Per 3/4: Plant Sexual Reproduction/Hormones
	M 4/27	Per 2/3: Genetically Modified Plants Per 3/4: Hormone Lab AND Genetically Modified Plants
	T 4/28	Per 2/3: Review, post-survey AND Plant Quiz Per 3/4: Review, post-survey
	W 4/29	Per 2/3: Intro to Ecology Per 3/4: Plant Quiz AND Intro to Ecology

