

Botany Chapter One - PAGES 3-27

Plants Are Essential To Human Life	What is a plant?	Cereals
<p>Plants produce food oxygen and medicines that organisms depend on.</p> <p>Plants, directly or indirectly, provide all the food humans eat.</p> <p>Agriculture provided a secure source of food for our early ancestors.</p> <p>Producers, like plants, are the base of the food chain in nearly all food webs. Only the chemosynthetic microbes found at the hydrothermal vents are known to exist without sunlight.</p>	<p style="text-align: center;">Plants are like all living things:</p> <ol style="list-style-type: none"> 1. 2. 3. 4. 5. 	<p>Agriculture provided a secure source of _____ for our early ancestors.</p> <p>About 12,000 years ago humans began to domesticate plants as a food source. _____ was the main cereal crop in Asia. In the Fertile Crescent _____ was grown and in South America _____.</p> <p>Cereals are easy to store and are rich in _____.</p> <p>This stable food source thus lead to the end of nomadic _____.</p> <p>_____ and contributed to the development of cities.</p>
Seeds	Types of Seeds	What is Botany?
<p>develop into plants having roots, stems, and leaves</p>	<p>Monocots-</p> <p>Dicots-</p>	<p>Botany is the scientific study of the plant kingdom.</p>
Roots	Leaves	
<ol style="list-style-type: none"> 1. anchor plants, 2. store energy, 3. absorb water 4. conduct water and minerals 	<p style="text-align: center;">The site of photosynthesis. Leaves attach to stems at nodes.</p> <p>Simples Leaves-</p> <p>Compound Leaves-</p>	
Shoots	Flowers	Fruits
<p>Support the leaves flowers and fruits. Stems have nodes, internodes and buds</p>	<p>Organs for sexual reproduction</p> <p>Contain male and female reproductive structures.</p>	<p>Swollen ovaries of the plant. Contain Seeds.</p>