

Content/Academic Language						
<b>FLDOE</b>	absorption angiosperm asexual reproduction bryophyte	chloroplast environment fertilization gamete	germination gymnosperm homeostasis ovary	photosynthesis pistil pollen pollination	reproduction sexual reproduction spore stamen	tissue tracheophyte vacuole
<b>Other</b>	anther cambium cellular respiration chlorophyll cone conifer	dermal egg filament flower fruit gravitropism	ground tissue guard cell hydrotropism leaf meristematic petal	phloem phototropism root root cap root hairs seed	sepal sperm stem stigma stomata style	thigmotropism transpiration vascular xylem

Next Generation Sunshine State Standards	Complexity Level	Student Target																				
<b>Topic 1: Plant Structure &amp; Physiology</b>																						
SC.912.L.14.7 Relate the structure of each of the major plant organs and tissues to physiological processes (parent benchmark on Biology 1 EOC assessment).	Moderate	<ul style="list-style-type: none"> <li>● identify the following plant tissues on diagrams or in living specimens:               <ul style="list-style-type: none"> <li>○ meristematic</li> <li>○ ground</li> <li>○ dermal</li> <li>○ vascular</li> </ul> </li> <li>● identify the following plant structures on diagrams or in living specimens:               <table border="0" style="margin-left: 20px;"> <tr> <td>● cambium</td> <td>● ovary</td> </tr> <tr> <td>● guard cells</td> <td>● petals</td> </tr> <tr> <td>● phloem</td> <td>● sperm</td> </tr> <tr> <td>● root hairs</td> <td>● egg</td> </tr> <tr> <td>● root cap</td> <td>● sepal</td> </tr> <tr> <td>● seed</td> <td>● filament</td> </tr> <tr> <td>● stomata</td> <td>● anther</td> </tr> <tr> <td>● xylem</td> <td>● style</td> </tr> <tr> <td>● stamen</td> <td>● stigma</td> </tr> <tr> <td>● pistil</td> <td></td> </tr> </table> </li> <li>● explain how the structures of plant tissues and organs are directly related to their roles in physiological processes such as photosynthesis (addressed in Unit 2), cellular respiration (addressed in Unit 2), transpiration, growth, and reproduction</li> </ul>	● cambium	● ovary	● guard cells	● petals	● phloem	● sperm	● root hairs	● egg	● root cap	● sepal	● seed	● filament	● stomata	● anther	● xylem	● style	● stamen	● stigma	● pistil	
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SC.912.N.1.1 Define a problem based on a specific body of knowledge, for example: biology, chemistry, physics, & earth/space science, & do the following: pose questions about the natural world, conduct systematic observations, examine books & other sources of information to see what is already known, review what is known in light of empirical evidence, plan investigations, use tools to gather, analyze, & interpret data, pose answers, explanations, or descriptions of events, generate explanations that explicate or describe natural phenomena (inferences), use appropriate evidence & reasoning to justify these explanations to others, communicate results of scientific investigations, & evaluate the merits of the explanations produced by others (parent benchmark on Biology 1 EOC assessment).	High	<ul style="list-style-type: none"> <li>● identify test variables, outcome variables, and controlled variables</li> <li>● design and/or evaluate a scientific investigation using evidence of scientific thinking and/or problem solving</li> <li>● collect, organize, and analyze data</li> <li>● predict outcomes based on prior knowledge, observations, and/or research</li> <li>● justify conclusions</li> </ul>
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