

Grade 4			
Life Science			
Chapter 1 Lesson 2			
Page	Question	Answer(s)	Links/Sources
26	Which part of a plant do you think is most important?	Answers will vary. Ask students to give their reasons as to why they picked a certain plant part.	
26	How do parts of plants help it stay alive?	Answers will vary based on student response. Review the large and small parts of plants and functions of each part.	
26	What do you think will happen if you tie a clear plastic bag over part of a plant?	TE page 26. Water droplets will become visible in the bag if put in a sunny area. When water evaporates from leaves, it helps draw water and nutrients up through the roots that the plant needs for its other life processes.	
29	What happens when you water a plant?	See same paragraph for answer. First root cells pull water and other nutrients such as dissolved minerals from the soil. This liquid travels upward through xylem in the plants roots and stems. Finally the water reaches the leaves, etc.	
29	How do you think the potato is able to make starch?	TE page 29. Sugars made in the potato plants leaves travel through phloem to the underground potato. The sugars are turned into starch in the specialized cell parts, or amyloplasts, its cells contain, and are stored in the part of the potato you eat.	
29	How would the arrows change to show how phloem moves substances?	TE page 29. The arrows would point in the other direction from leaves to roots.	
30	Where is the older xylem tissue, near the center of the trunk or near the outer edge of the trunk?	TE page 30. Near the center of the trunk.	
31	How is the structure of a plant like your church, school, and family?	TE page 31. A plant is made up of cells, tissues, organs, and systems all working together toward a common goal. A church is the same way--each member contributes so that the entire church may be successful.	

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32	What might happen to a plant if its stem was damaged by an animal?	TE page 32. The plant may not be able to survive. If its supply of water and nutrients from its roots are cut off or the stem loses its support, the leaves and plant might not be able to receive sunlight, so its ability to make food and send it where it is needed could be harmed.	
32	How does the structure of the root system help it function?	TE page 32. Roots branch out so they can obtain more water and nutrients and provide a wider base of stability for the plant.	
33	How does this remind you of the way the circulatory system works in your body?	TE page 33. Xylem and phloem are like the circulatory system in the human body. However, the circulatory system uses an active pump, the heart, to circulate materials through the body.	