

Plant Kingdom Webquest

Use the links to answer the following questions.

Plant Basics

http://www.biology4kids.com/files/plants_main.html

1. What do all plants have in common?
2. The plant cell wall is made out of _____?

Plant Structure

http://www.biology4kids.com/files/plants_structure.html

1. What are the vascular systems of plants?
2. What group of plants do not have vascular systems?
3. Where do cacti perform photosynthesis?
4. What does photosynthesis do?
5. What are the basic plant structures?
6. What is the function of roots?
7. What are epiphytes?
8. What are carrots?
9. What is the function of root hairs?
10. What are stems?
11. What structure is the source of new growth?
12. What is a node?

Cell Walls

http://www.biology4kids.com/files/cell_wall.html

1. What are cell walls made of?
2. Cell walls help a plant _____ its shape.
3. A redwood tree uses _____ to _____ its shape.

4. What are plasmodesmata?
5. When a plant loses its water, What maintains the basic shape?
6. What are three other types of organisms that have cell walls?

Vascular Tissue

http://www.biology4kids.com/files/plants_xylemphloem.html

1. What makes up the vascular system of plants?
2. What does Xylem carry?
3. What is a secondary function of Xylem?
4. What does phloem carry?
5. Is phloem alive, or dead?
6. Where does sap come from?

Specialized Structures

http://www.biology4kids.com/files/plants_structure2.html

1. What are thick leaves for storing water?
2. What do thorns say?
3. What is the function of Flowers?
4. What does having No leaves mean?
5. What are the corks in wine bottles made from?
6. Where do epiphytes live? How do they collect water?
7. What are two examples of epiphytes?

Mosses and Liverworts

http://www.biology4kids.com/files/plants_moss.html

1. What is the most important feature of mosses and liverworts?
2. How large may mosses grow?

3. What are rhizoids, and what do they do?
4. Do bryophytes have roots?

Gymnosperms

http://www.biology4kids.com/files/plants_gymnosperm.html

1. What were the first plant plants with seeds?
2. What do seeds provide?
3. An organism with a vascular system, seeds, and no seeds?
4. What is a cycad?
5. What are four examples of conifers?
6. What are two structures that define a conifer?
7. Why do landscape designers like ginkgoes?

Angiosperms

http://www.biology4kids.com/files/plants_angiosperm.html

1. What structure defines angiosperms?
2. What is often used to pollinate and distribute seeds?
3. What is a monocot?
4. What is a dicot?
5. What are examples of monocots?
6. What are some examples of dicots?