

Name: _____ Date: _____ Period: _____

Xylem and Phloem Web Quest

Go to the Plants page of my website. Click on the [Xylem and Phloem](#) link on the right. Answer the questions below in complete sentences.

1. How is the vascular system of plants (the xylem and phloem) similar to the circulatory system in humans (veins, heart, arteries)?
2. The xylem of a plant transports what?
3. Describe the rings of trees? What are they made of?
4. The phloem of a plant transports what?
5. Fill in the blank: That dripping _____ usually comes from the phloem.

Now click on the [Facts about Xylem and Phloem](#) link and answer the questions below in complete sentences.

6. Transpiration is the process of what?
7. Describe the movement of water through a plant from its roots to its leaves.
8. What is translocation?
9. Fill in the blank: Xylem vessels consist of _____ cells. Phloem consists of columns of _____ cells.
10. Describe the factors that affect transpiration rates.