

Stems

Name:

Period:

Use Chapter 12, Section 4 of your textbook to answer the questions below.

Stems (p.376)

- _____ 1. Where are most stems found?
a. in roots b. underground c. in water d. above ground

Stem Functions (p.376)

2. Look at Figure 3. The trunk of a tree is a _____ .
3. One job of a stem is to _____ the plant body.
4. Stems hold up reproductive structures like _____ .
5. Stems connect a plant's _____ system to its leaves and flowers.
6. In stems, water and dissolved minerals are carried from the roots to the leaves by a tissue called _____ .
7. The food made during photosynthesis is carried by a tissue called _____ to roots and other parts of the plant.
8. Cactus stems can store _____ .

Herbaceous Stems (p.376)

- _____ 9. What are stems that are soft, thin, and flexible called?
a. xylem b. phloem c. herbaceous stems d. woody stems
- _____ 10. Which of the following has a herbaceous stem?
a. bean plant b. shrub c. oak tree d. pine tree

Woody Stems (p.377)

- _____ 11. What are rigid stems made of wood and bark called?
a. xylem b. phloem c. herbaceous stems d. woody stems
12. A _____ in woody stems is caused by different sized xylem cells being made in the summer and winter.
13. Look at the diagram in Figure 5. What kind of tissue is most common in a woody stem? _____



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