

## Chapter 23 Roots, Stems, and Leaves

## Section Review 23-1

### Reviewing Key Concepts

**Completion** *On the lines provided, complete the following sentences.*

- The three principal organs of seed plants are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- Three types of plant tissue systems are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- The only plant tissue that produces new cells by mitosis is \_\_\_\_\_ tissue.

**Short Answer** *On the lines provided, answer the following questions.*

- Name and describe the two cell types that make up xylem.

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- Name and describe the two cell types that make up phloem.

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### Reviewing Key Skills

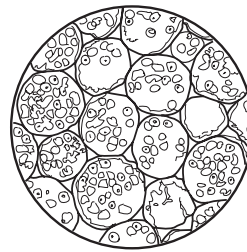
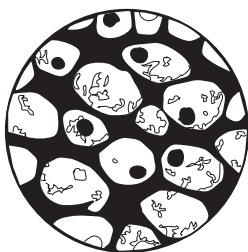
- Comparing and Contrasting** How does the differentiation of cells near the apical meristem compare with the differentiation of cells far from the apical meristem?

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**Classifying** *On the lines provided, classify the following as either parenchyma, collenchyma, or sclerenchyma. Describe the main function of each.*



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|----------|----------|----------|
| 7. _____ | 8. _____ | 9. _____ |
| _____    | _____    | _____    |
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