

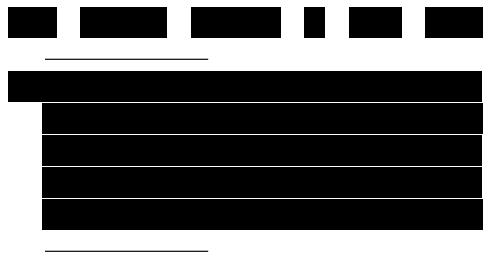
**A. Select the correct answer from the given choices.**

1. Flowering plants are composed of all the following tissue types except \_\_\_\_.
  - a. epidermal
  - b. epithelium
  - c. ground tissue
  - d. vascular tissue
  
2. The following statements describe the plant epidermis except \_\_\_\_.
  - a. its main function is for protection
  - b. it may be covered by a waxy substance called cutin
  - c. it has two layers of cells that are of similar shape and thickness
  - d. it has tiny openings called stomata that are used for gas exchange

For numbers 3 to 6, choose the answer from the following options:

- a. meristem
- b. collenchyma
- c. parenchyma
- d. sclerenchyma

3. It is the strengthening elements of mature plant parts. \_\_\_\_\_
4. It is composed of immature cells and regions of active cell division. \_\_\_\_\_



For items 7 to 9, select the correct answer from the given choices.

7. Cells of the vascular tissue include the following except \_\_\_\_.
  - a. vessels
  - b. tracheids
  - c. cambium cells
  - d. companion cells

8. An important difference in the structure of roots and leaves is that \_\_\_\_.
- a. only leaves have xylem and only roots have phloem
  - b. vascular tissue is present in leaves but absent in roots
  - c. the cells of the leaves have cell walls but not the cells of the roots
  - d. a waxy cuticle covers the leaf epidermis but is absent in the roots

9. In general, plant growth can be described as \_\_\_\_.
- a. annual
  - b. primary
  - c. perennial
  - d. indeterminate

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For numbers 14 to 17, refer to the following choices:

- a. cartilage
  - b. smooth muscle
  - c. cardiac muscle
  - d. skeletal muscle
14. It is spindle-shaped with one nucleus per cell. \_\_\_\_\_
15. It is found in external ear, ventral end of ribs, and joint surfaces. \_\_\_\_\_
16. It consists of multinucleated, striated fibers for voluntary movement.  
\_\_\_\_\_
17. Its component cells are intercalated and each has a single nucleus. \_\_\_\_\_

For items 18 to 20, select the correct answer from the given choices.

18. This statement best explains the classification of blood as connective tissue.
- a. It is found in all body organs.
  - b. There are several types of blood cell.
  - c. Its cells can move to different body parts.
  - d. Its cells are widely dispersed and surrounded by fluid.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. Answer the following questions briefly and concisely.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Lupus is an autoimmune disease which attacks a person's immune system, hence affecting the healthy tissues and organs. What specific tissue is not functioning correctly? Guess and describe what could happen to a person afflicted with this disease.