

Chapter 2 Plant Anatomy

1. Which of the following are related to isobilateral leaves?
(A) Stomata occur on both the epidermis
(B) Mesophyll tissue is of one kind
(C) Generally found in monocots
(D) Presence of palisade and spongy cells
2. Secondary growth occurs
(A) increase in girth of stem
(B) anticlinal division of cambium ring
(C) periclinal division cambium ring
(D) radial elongation of cambial cells
3. Bulliform cells differ from other cells in being
(A) contained abundant chloroplasts
(B) vacuolated and contain water
(C) large and thin walled
(D) contained calcium oxalate
4. Each annual ring or growth ring consists of strips of
(A) autumn wood
(B) heart wood
(C) spring wood
(D) sap wood
5. Heart wood is
(A) duramen
(B) inner part of secondary xylem
(C) outer part of secondary phloem
(D) wood of commerce
6. Complementary cells of lenticels are
(A) compact
(B) loose
(C) submerged
(D) lignified
7. Tissue that contain lignin are
(A) sclerenchyma
(B) parenchyma
(C) collenchyma
(D) chlorenchyma
8. Which are the external protective tissues of the plant?
(A) Cortex
(B) Cork
(C) Pericycle
(D) Epidermis

9. Vascular bundles in dicot stem are
(A) open
(B) conjoint
(C) endarch
(D) exarch
10. Well-developed pith is found in
(A) monocot root
(B) monocot stem
(C) dicot root
(D) dicot stem

Answer

1. (A), (B), (C)
2. (A), (B), (D)
3. (B), (C)
4. (A), (C)
5. (A), (B), (D)
6. (B), (C)
7. (A), (B), (D)
8. (B), (D)
9. (A), (B), (C)
10. (B), (C)