

2018 Manuel E Chapter 3 Plant Biology Quiz

- 1. ___ are flowering plants and ___ are non-flowering plants**
 - A. Gymnosperms, angiosperms
 - B. Angiosperms, gymnosperms
 - C. Monocots, dicots
 - D. Dicots, monocots
- 2. The proper format when writing a scientific name is:**
 - A. *Genus species* 'Cultivar'
 - B. *Genus* 'cultivar' *species*
 - C. *Species genus* 'cultivar'
 - D. 'Cultivar' *Genus species*
- 3. ___ are embryonic stems enclosed in scale-like leaves while ___ are the point of attachment for the leaf to the stem.**
 - A. Xylem, buds
 - B. Cuticles, nodes
 - C. Rhizomes, cuticles
 - D. Buds, nodes
- 4. The ___ are at the growing tip of the shoots and roots while the ___ increase diameter.**
 - A. Apical meristems, lateral meristems
 - B. Bud scales, node scales
 - C. Secondary meristems, primary meristems
 - D. Taproots, cuticles
- 5. ___ conducts sugars and metabolic products from the leaves while ___ conducts water and dissolved minerals from the roots upward**
 - A. Epidermis, taproot
 - B. Xylem, phloem
 - C. Phloem, xylem
 - D. Cuticle, taproot
- 6. The ___ can affect the ability of pesticides to penetrate a plant and is a waxy layer on the ___ which is the outer protective layer of cells in leaves.**
 - A. Node, bud scale
 - B. Cuticle, node
 - C. Epidermis, bud scale
 - D. Cuticle, epidermis

7. **__ are root systems with a single main root, __ are root systems with many branching roots, and __ are underground stems that spread to produce new aboveground shoots.**
- A. Taproots, rhizomes, compound roots
 - B. Taproots, fibrous roots, rhizomes
 - C. Taproots, compound roots, rhizomes
 - D. Compound roots, fibrous roots, taproots
8. **The three stages of plant growth in order are:**
- A. Cell differentiation, cell recombination, cell specialization
 - B. Cell division, cell specialization, cell recombination
 - C. Cell division, cell elongation and cell differentiation
 - D. Cell division, cell elongation, cell recombination
9. **The three primary nutrients, called __, are:**
- A. Macronutrients, Nitrogen, Phosphorus, Potassium
 - B. Macronutrients, Nitrogen, Potassium, Calcium
 - C. Micronutrients, Nitrogen, Phosphorus, Calcium
 - D. Macronutrients, Phosphorus, Potassium, Calcium
10. **__ Pesticides are absorbed by the roots or through the foliage while the alternative, pesticides, stay on the surface of the plant and may be active on the plant for as little as a few days.**
- A. Contact, systemic
 - B. Apical, germination
 - C. Systemic, contact
 - D. Adventitious, pistil

KEY 2018 Manuel E Chapter 3 Plant Biology Quiz

- 1. B: Angiosperms, gymnosperms
- 2. A: Genus species 'Cultivar'
- 3. D: Buds, nodes
- 4. A: Apical meristems, lateral meristems
- 5. C: Phloem, xylem
- 6. D: Cuticle, epidermis
- 7. B: Taproots, fibrous roots, rhizomes
- 8. C: Cell division, cell elongation and cell differentiation
- 9. A: Macronutrients, Nitrogen, Phosphorus, Potassium
- 10. C: Systemic, contact