

Biology 260
Quiz 5
Name:
Lecture Time:

1. Which of the following mineral elements are likely to be found in alkaloids?
A. calcium
B. potassium
C. nitrogen
D. magnesium

2. Calcium is a component of cell walls.
A. True
B. False

3. Which macronutrient plays a role in maintaining the ionic balance of plant cells?
A. phosphorus
B. chlorine
C. potassium
D. nitrogen

4. Copper is usually found in chlorophyll molecules.
A. True
B. False

5. Which of the following mineral elements is not considered to be a micronutrient?
A. sodium
B. boron
C. sulfur
D. iron

6. Which of the following is typically used by proton pumps to cause stomata to open?
A. potassium
B. hydrogen
C. chlorine
D. calcium

7. Phosphorus is required to activate chlorophyll molecules in the chloroplast.
A. True
B. False

8. Which of the following mineral elements is required to generate PEP in C4 and CAM plants?

- A. manganese
- B. sodium**
- C. zinc
- D. nickel

9. Which mineral element is a critical component of chlorophyll and activates some enzymes?

- A. potassium
- B. magnesium**
- C. phosphorus
- D. sulfur

10. Hydrogen and oxygen makes up an important component of all the organic molecules in plants and the major source of these elements is through root uptake of water.

- A. True**
- B. False