

Assignment - Botany

1. Which of the following is a type of plant cell specifically adapted for water storage?

- A) Sieve tube member
- B) Stoma guard cell
- C) Xylem vessel
- D) Tracheid

2. What is the term for the process of converting atmospheric nitrogen into a form that plants can use?

- A) Nitrogen fixation
- B) Nitrogen assimilation
- C) Denitrification
- D) Nitrogen cycling

3. Which plant hormone is primarily responsible for promoting cell division and growth in plants?

- A) Absciscic acid
- B) Auxin
- C) Cytokinin
- D) Ethylene

4. Which part of the flower is responsible for producing pollen?

- A) Stamen
- B) Pistil
- C) Sepal
- D) Petal

5. What is the main function of the root system in plants?

- A) Photosynthesis
- B) Transpiration
- C) Support and anchorage
- D) Absorption of water and minerals