

Plant Transport Systems

Biology · Answer Key · 9 Questions

1. What is the primary function of sieve tubes?

- A) Food storage
- B) Food transport**
- C) Structural support
- D) Photosynthesis

2. Which cells are responsible for assisting sieve tubes?

- A) Phloem fibers
- B) Phloem parenchyma
- C) Companion cells**
- D) Xylem

3. What is the function of phloem fibers?

- A) Support**
- B) Food storage
- C) Photosynthesis
- D) Water transport

4. What is the role of phloem parenchyma?

- A) Support
- B) Food transport
- C) Food storage**
- D) Gas exchange

5. What substance does the phloem transport?

- A) Water
- B) Oxygen
- C) Food produced during photosynthesis**
- D) Carbon dioxide

6. What is another name for the plant transport system?

- A) Nervous system
- B) Vascular system**
- C) Digestive system
- D) Respiratory system

7. Why do plants require an internal transport system?

- A) To move to new locations
- B) Because they cannot move to gather food or water**
- C) To escape predators
- D) To regulate body temperature

8. What is the human equivalent to a plant's transport system?

- A) Stomach
- B) Lungs
- C) Blood vessels**
- D) Brain

9. The plant transport system moves resources between which two points?

- A) The stem and the flower
- B) The roots and the leaves**
- C) The soil and the air
- D) The seeds and the fruit