

- 1. Select the correct term for the following definition:**
"The water transport system in plants."

Villi

Bronchi

Bolus

Xylem

- 2. Recall the main function of a xylem cell.**

To transport nutrients (mainly sucrose) to different parts of a plant.

To make energy for the plant via photosynthesis.

To transport carbon dioxide to the leaves for photosynthesis.

To transport water to different parts of plant.

- 3. Recall what the pathway of water from roots to leaves is called.**

Respiration

Transpiration stream

Translocation

Evaporation

- 4. Select the correct term for the following definition:**
"The nutrient transport system in plants."

Enzyme

Phloem

Guard cells

Proteins

5. Recall the main function of a phloem cell.

To transport nutrients (mainly sucrose) to different parts of a plant.

To transport water to different parts of a plant.

To make energy for the plant via photosynthesis.

To provide structural support to a plant.

6. Xylem tubes transport substances.

From the roots to the stem and leaves

From the leaves to the rest of the plant

7. Phloem tubes transport substances.

From the roots to the stem and leaves

From the leaves to the rest of the plant

8. Xylem tubes transport.

Water and mineral

Food substances

9. Phloem tubes transport.

Water

Food substances

Mineral ions

10. Phloem tubes transport substances in which direction?

Up

Up and down

11. Xylem tubes transport substances in which direction?

Up

Up and down

12. Which process are the xylem tubes part of?

Translocation

Transpiration

13. What **PART** of the plant collects water?

Leaves

Flower

Roots

Stem

14. Small openings called _____ are found on the underside of leaves and allow gases to enter or leave the plant cells.

Phloem

Chloroplasts

Xylem

Stomata

15. Tubes that transports water and minerals **UPWARDS** from a plant's roots is known as _____.

Cuticle

Phloem

Stomata

Xylem