

1. Do all plants need a transport system? Explain.
2. A tree is attacked by a type of bacteria which damages its xylem vessels. Predict the effects to the tree.
3. Transport of organic compounds such as sucrose by active transport along the sieve tubes needs a lot of energy. How does this process happen even though the sieve tubes have very few mitochondria?
4. State the factors involved in the water and mineral salts pathway from soil to leaves.
5. Give the definition of guttation and state its importance
6. What is the difference between guttation and transpiration
7. On a hot and windy condition, water absorption by the roots and water transport in the xylem becomes faster.  
Do you agree with the statement? Justify.
8. State the definition of translocation
9. What is the role of translocation in plants?
10. How does translocation occur from the leaves to the roots? Explain.