

AP Biology

Lab 9: Transpiration

Pre-Lab Questions:

1. What are the physical and chemical properties of water that allow water to move from roots to leaves?
2. What are the forces that provided for movement up plant by differences in water potential?
3. What are the roles of transpiration?
4. What are the structures used by plants to transport water and regulate water movement?

Question: How do environmental factors (i.e wind, light, humidity) affect the rate of transpiration in an angiosperm? What are the functions of the structures seen in thin sections of stem and vascular bundles?

Hypothesis:

Dependent Variable:

Independent Variable:

Experiment Design:

Control Treatment:

Notes: