

Topic 9 Plant Biology

Questions to include in the nice notebook: Answer in sentences, keep reasonably short.

- Explain transpiration and factors that affect it.
- How are plants adapted to saline soils and to deserts?
- What is the structure and function of xylem?
- How are substances transported in phloem?
- How are phloem sieve tubes loaded?
- How can phloem transport rates be measured?
- How does phototropism work?
- Explain the differences between pollination, fertilization and seed dispersal.
- What is needed for seed germination?
- What are the roles of hormones in micro propagation of plants?

Drawings to include in the nice notebook:

- Plant leaf cross section
- Transpiration rate curves
- Drawings of phloem and xylem
- Drawings of cross sections of xylem and phloem in stems and roots
- Drawing of a shoot
- Drawing of a flower
- Drawing of a seed