IB Biology

Topic 9 – Plant Biology HL

Revision Sheet

Transport in the xylem • Why can't plants avoid doing transpiration? (What has to happen in leaves?) • What are the two properties of water which help transpiration? •	Draw a labelled diagram of	The structure of a 'primary xylem' cell. Tate of Water Disk of filte Capilla
Transport in the phloem Explain why each of the following is important in the translocation of organic compounds like • The incompressibility of water	xe sucrose.	Identify xylem & phloem in the shoot image below. Clover stem Trifolium sp.
Auxin is a plant growth substance which causes	Mitosis	
promotes growth by increasing Describe the two		
phytochromes which help a plant to switch to flowering in response to light and dark.		
Reproduction in plants Complete the right hand side of the "half view" (cross section) of a flower Image: Compare & contrast pollination and fertilization Image: Compare & contrast pollination Image: Compare & contrast pollination	Describe how a Oescribe how a flowering	mutualistic relationship can help fertilization





