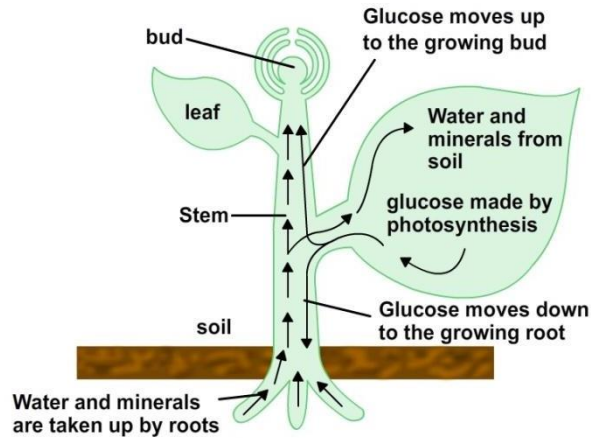
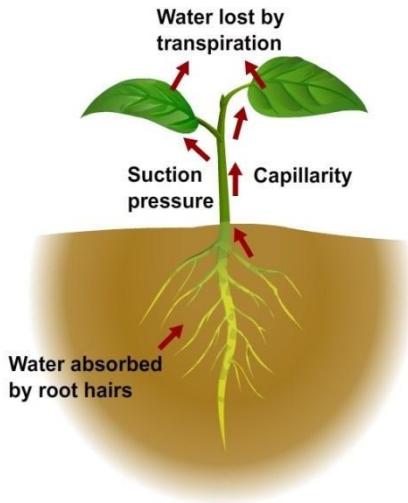


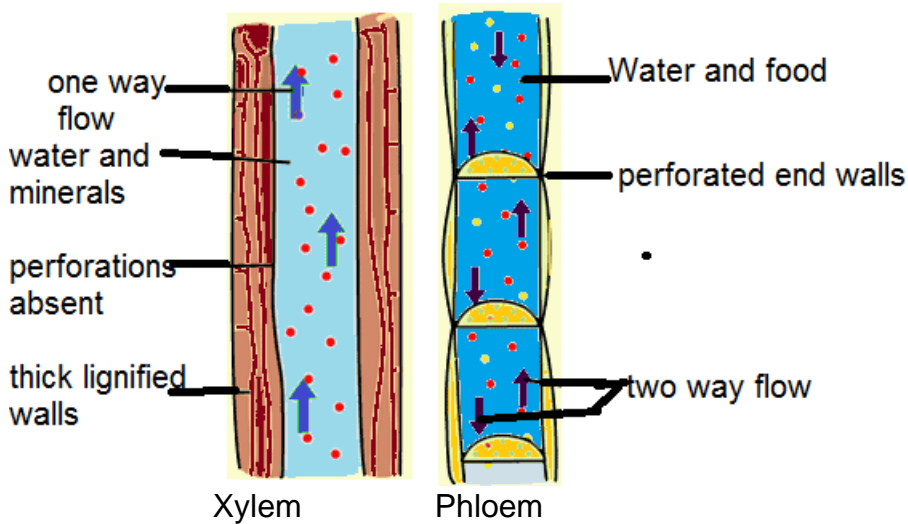
ICSE BIOLOGY CLASS 8

TRANSPORT IN PLANTS- ABSORPTION, CONDUCTION AND RISE OF SAP

Rise of water, nutrients and movement of food in plants

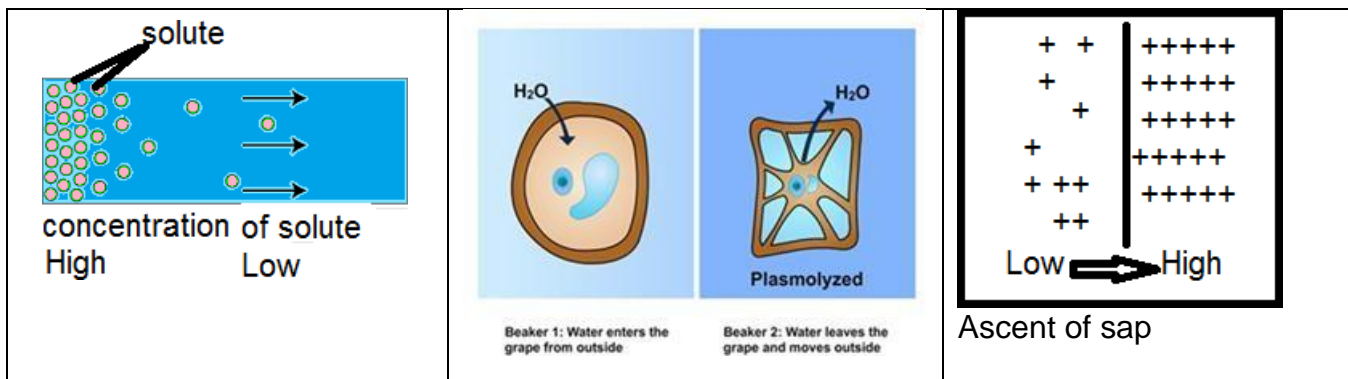


Transportation through xylem and phloem



Three types of movements of molecules from soil water to root through root hair

Diffusion	Osmosis	Active transport
Movement of gas, liquid or solid from higher concentration to lower concentration	Movement of water across semi-permeable membrane from region of higher concentration to that of lower concentration	Process which requires energy and transports materials across gradient



Factors affecting transpiration

All leaves have small pores called stomata on the epidermis. Water is lost by evaporation from these stomata as water vapour by a process called transpiration

