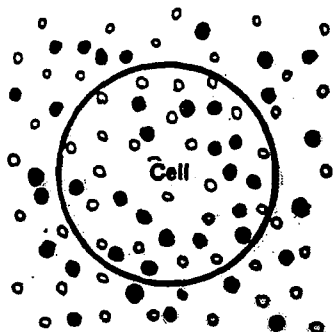


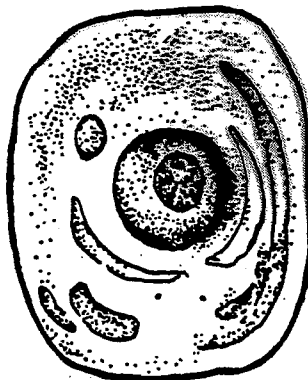
TRANSPARENCY MASTER

EFFECTS OF SOLUTION CONCENTRATION IN CELLS

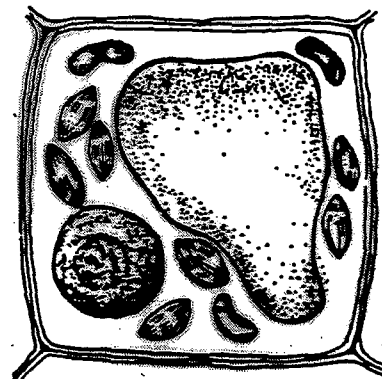
Isotonic solution



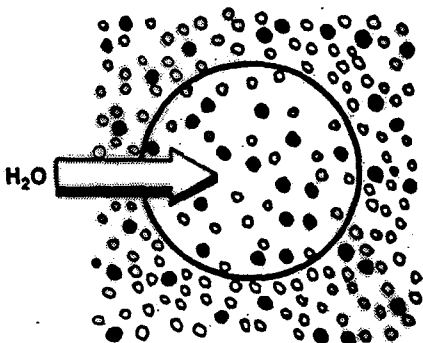
Animal cell



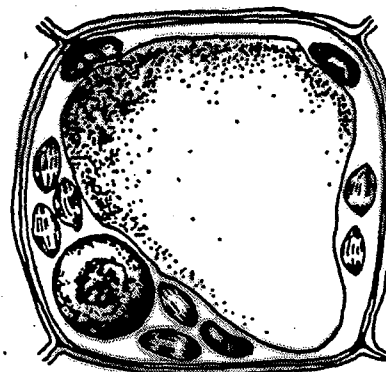
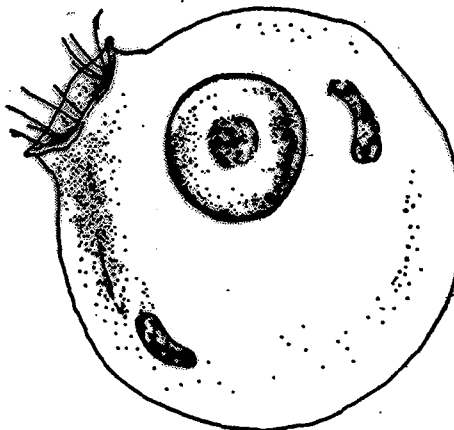
Plant cell



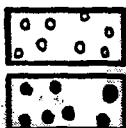
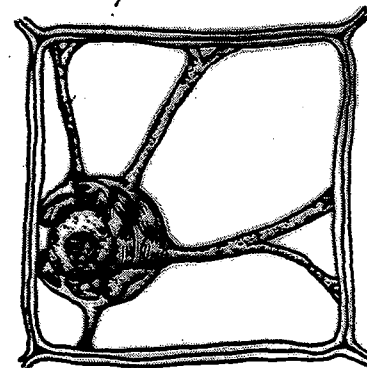
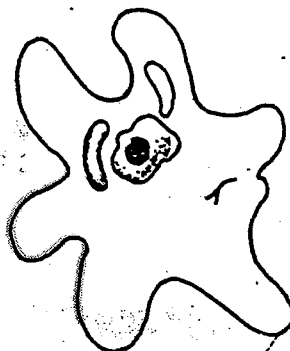
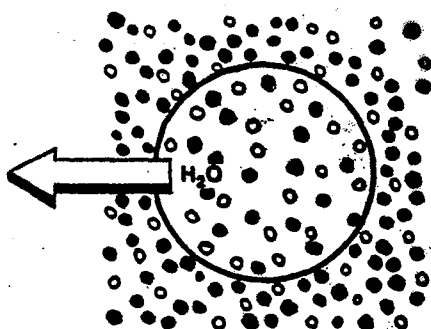
Hypotonic solution



Cell bursts

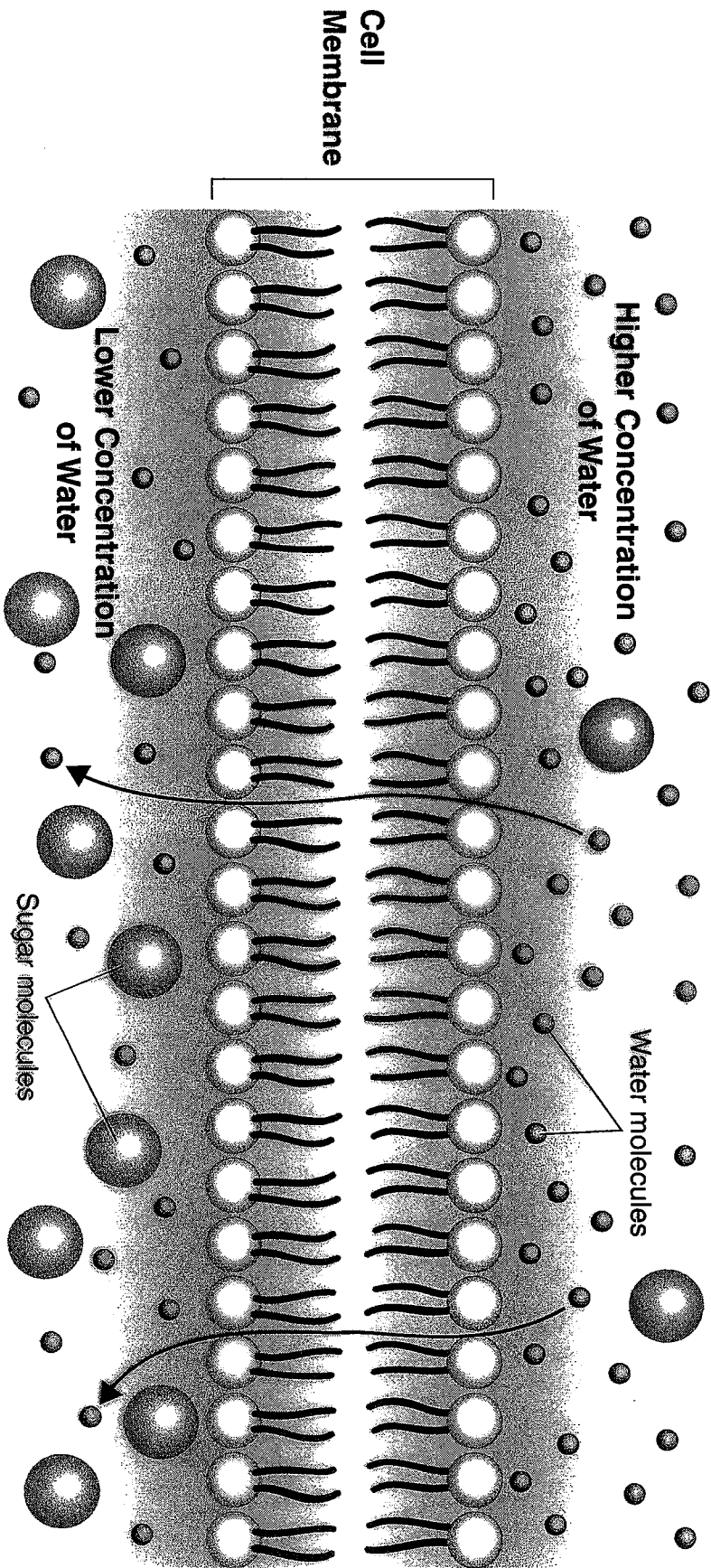


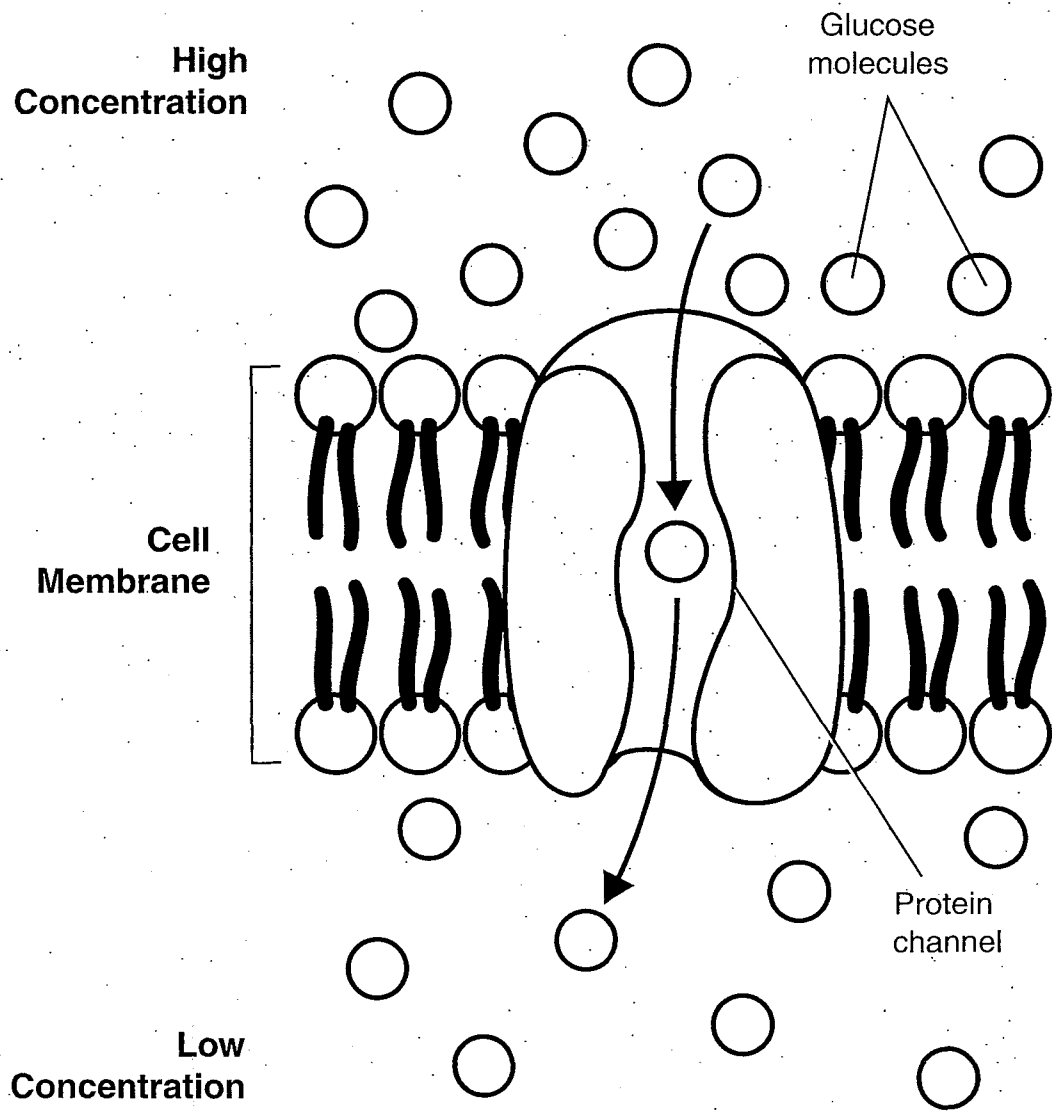
Hypertonic solution

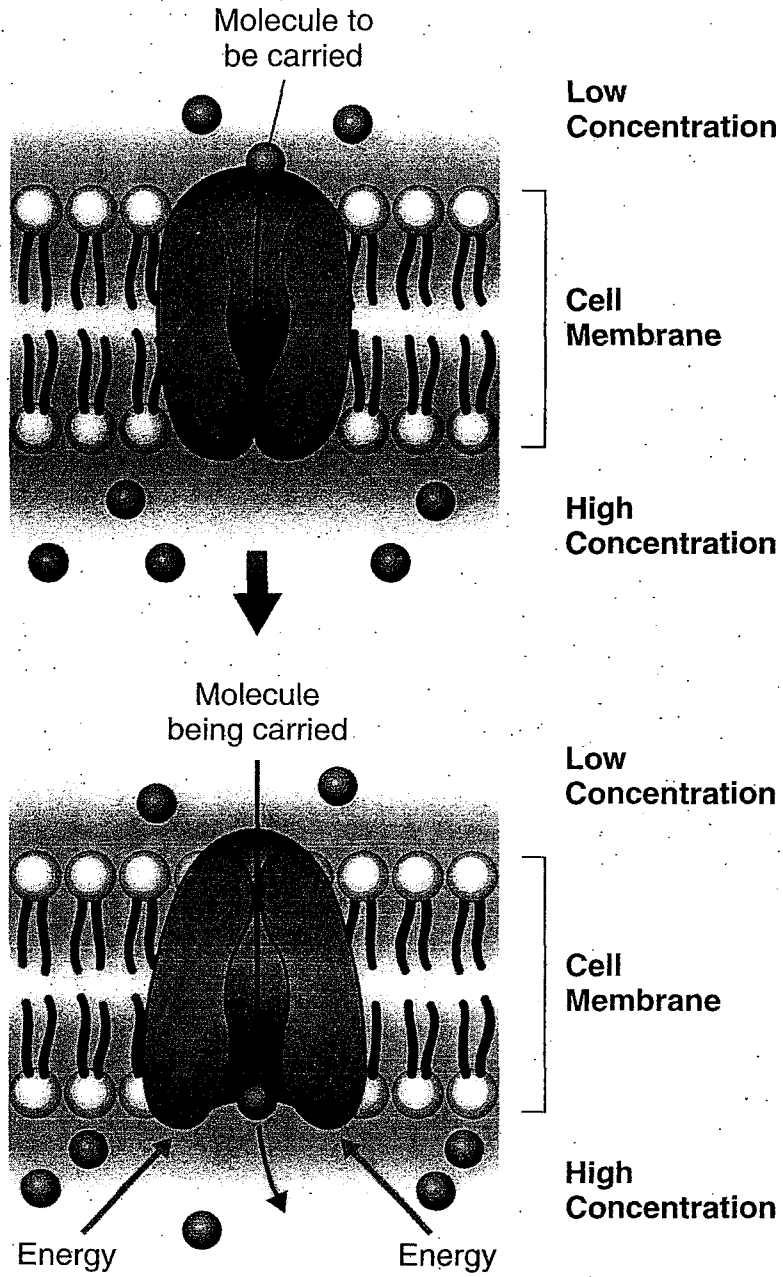


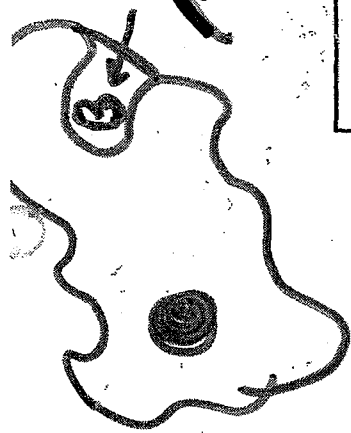
Water molecules

Dissolved materials









Phagocytosis (cell drinking) - large dissolved particles

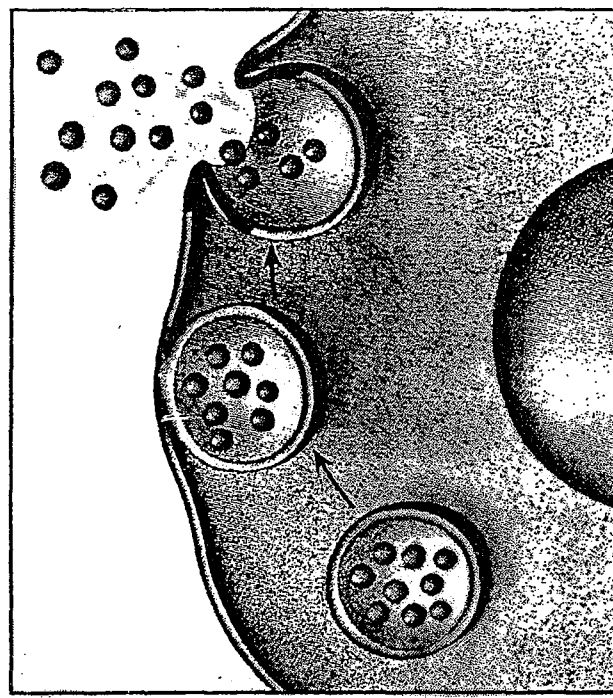
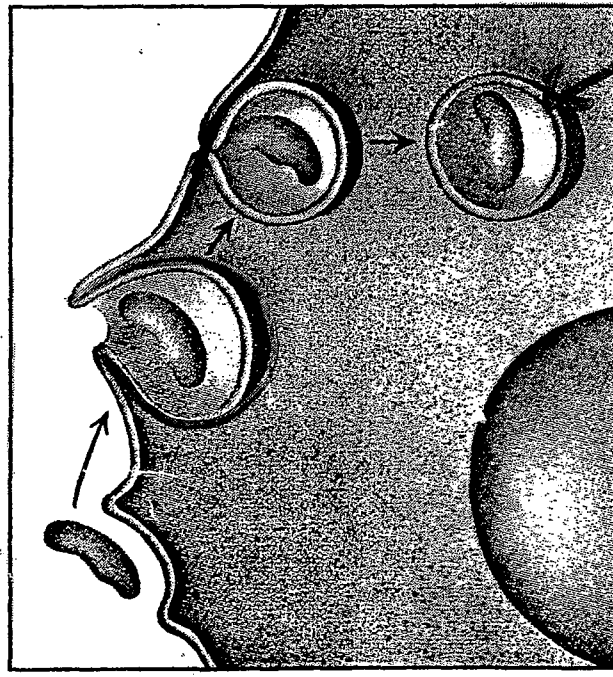


Figure 4.8

a The cell membrane extends to engulf large particles in the process of endocytosis.

b Cellular wastes are discharged from sacs at the cell's surface in the process of exocytosis.

large particles

phagocytosis
cell drinking
large particles
into cell

