NED (4)

Opening Regulate
- H_2O vapor, - CO_2, - O_2
Condition A, Condition B : Neg feedback / C_3 plants.

(A) ↑ H_2O - pores open to allow gas X - drives pSynth (photolysis, dark rxns)
(B) ↓ H_2O — pores close - photosynth shuts down (no CO_2, less H_2O)

COHESION - TENSION : operates in the xylem which transports to the root system, the pericycle, and the shoot system.

PRESSURE FLOW : Source → Sink - operates in phloem
Glucose monosaccharide compose sucrose disaccharide (Source at leaf)

SIEVE TUBE ; FRUIT = SINK

BULK FLOW - water diffusion over large area
HYDROSTATIC GRADIENT — water movement
SOURCE → SINK, P. flow : This is an active transport mediated mechanism for sugar storage to support the developing seed within fruit

PLANT TISSUES
Characteristics of root + stem : TOWLE 605, 610

DERMAL = EPIDERMIS (cuticle + root hairs)
GROUND = thin, active (parenchyma)
thick, NON-↑, alive (collenchyma)
thick, dormant (sclerenchyma)

VASCULAR
Xylem + phloem