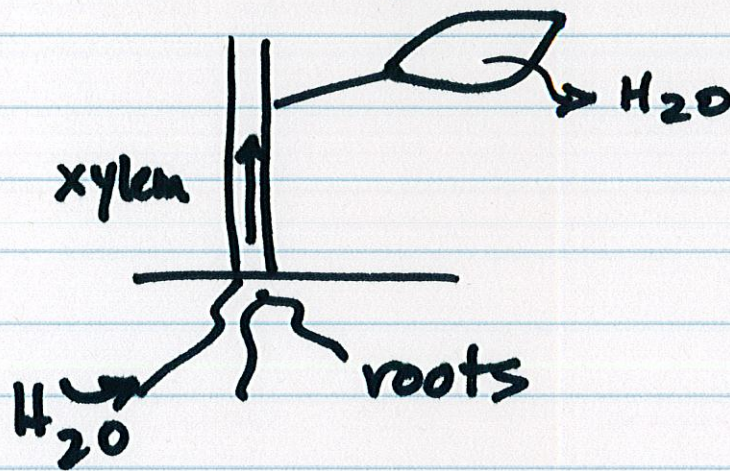


#47

Transpiration and Tropisms

Transpiration - the movement of water up the plant's xylem and out of the leaf through the stomata.



Tropism

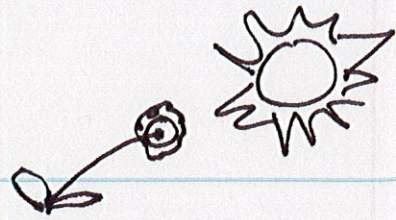
- a plant's response to a stimulus
- plant movement towards or away from a stimulus

Trop = to turn

Positive Tropism - movement towards the stimulus

Negative Tropism - movement away from stimulus.

Phototropism



(+) → plant growing toward the sunlight

Geotropism

sometimes called gravitropism

→ plant's response to gravity or the earth

positive geotropism - roots growing downward

negative geotropism - stem growing upward



against gravity or
away from the earth

Thigmotropism

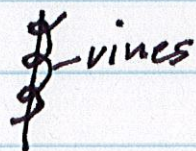
 - movement towards or away from touch

thigina = touch

positive tropism - vines growing around a stake or pole or wall



Venus flytrap



- Venus fly trap

negative thigmo tropism → Touch me Not
leaves close when touched