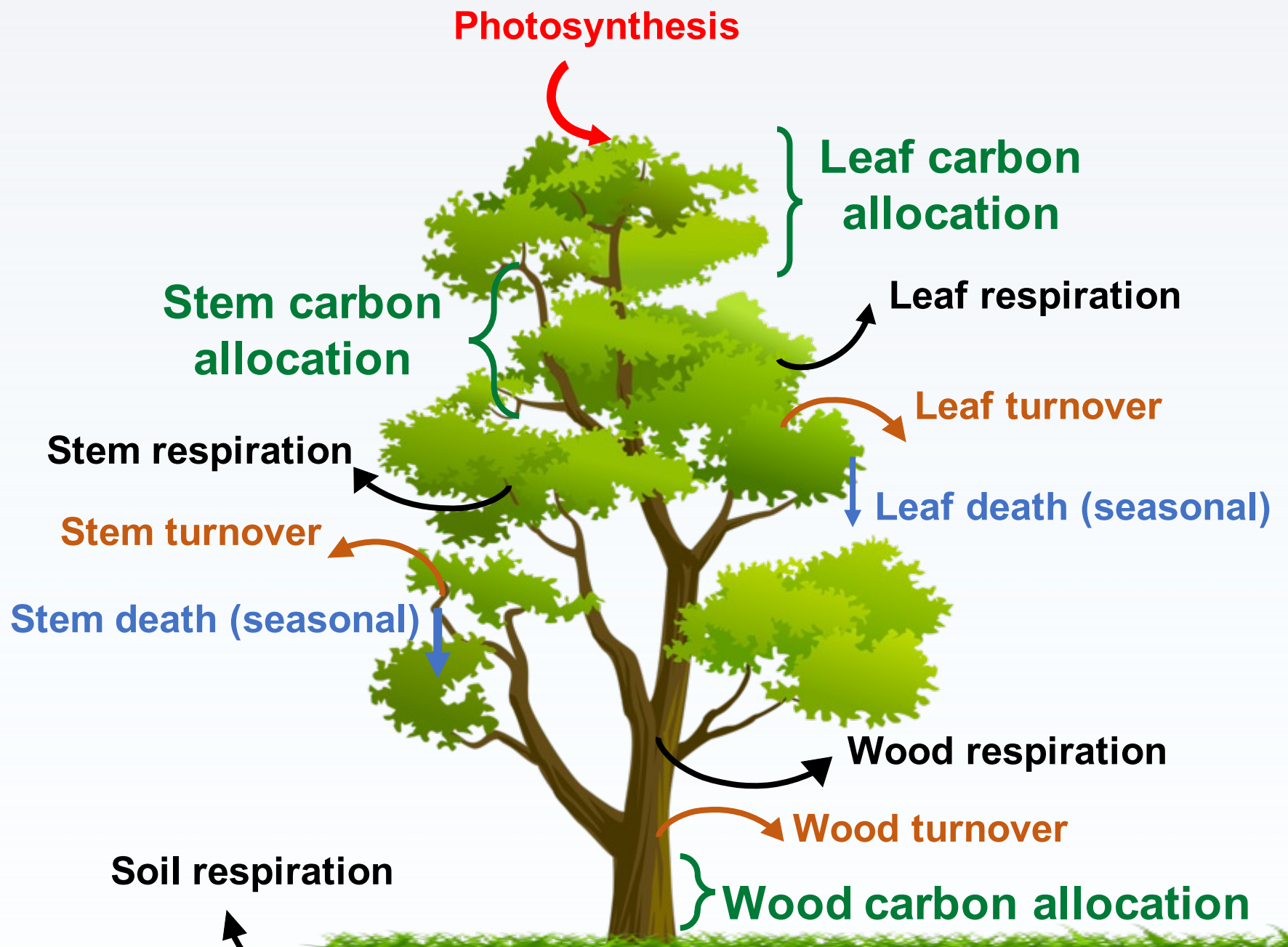
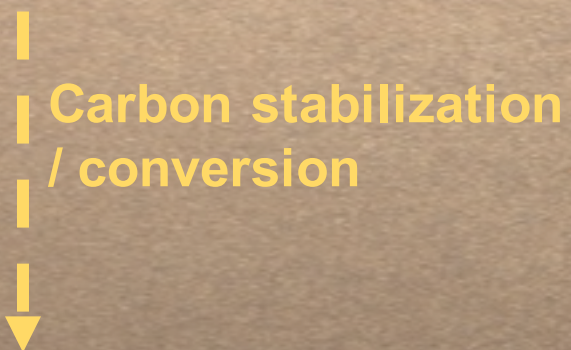


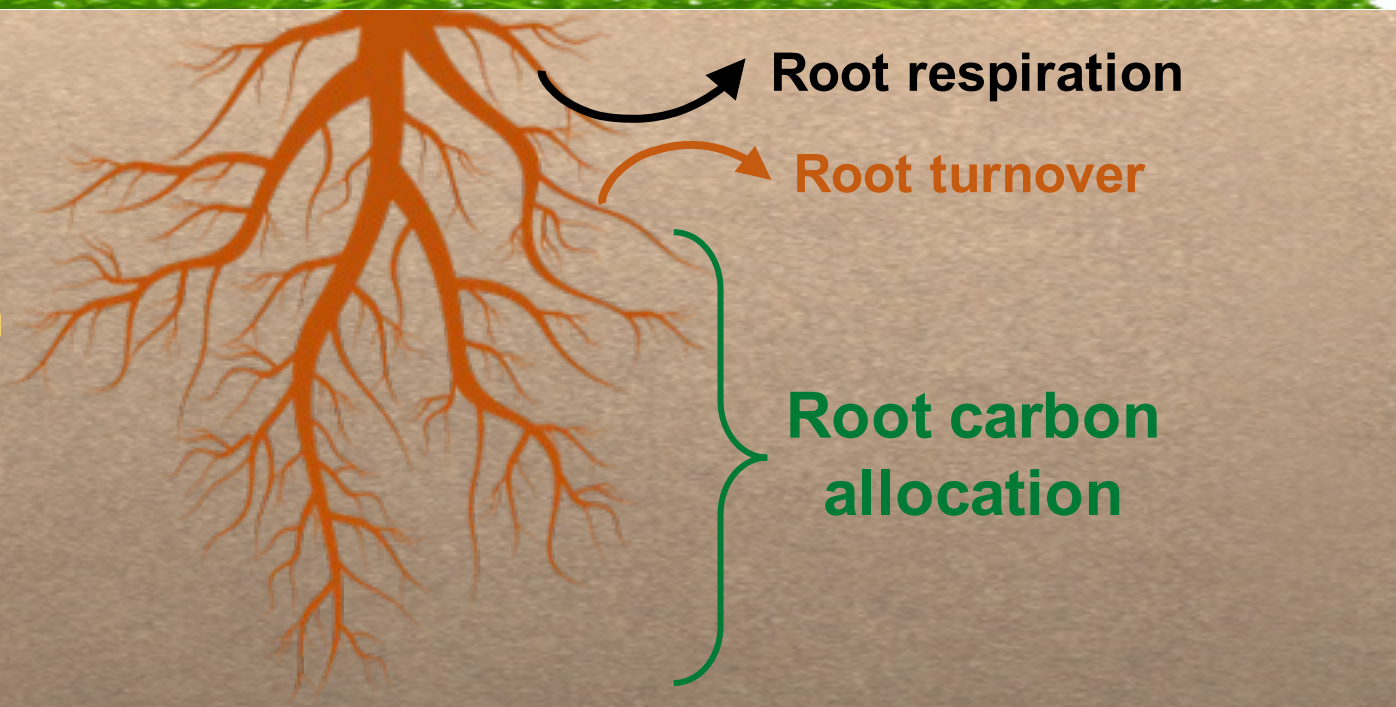
# Noah-MP Carbon Budget and Processes



Shallow soil carbon pool (fast)



Deep soil carbon pool (slow/stable)



Total carbon balance:

$$\text{Photosynthesis} - \text{Respiration} = \Delta \text{Plant carbon pool} + \Delta \text{Soil carbon pool}$$