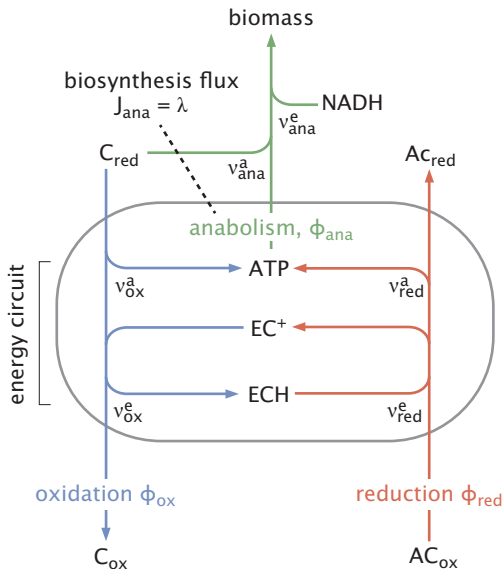
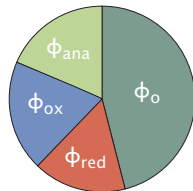


generic model of heterotrophic respiration



biomass composition



allocation constraint:
 $\sum_i \phi_i = 1$