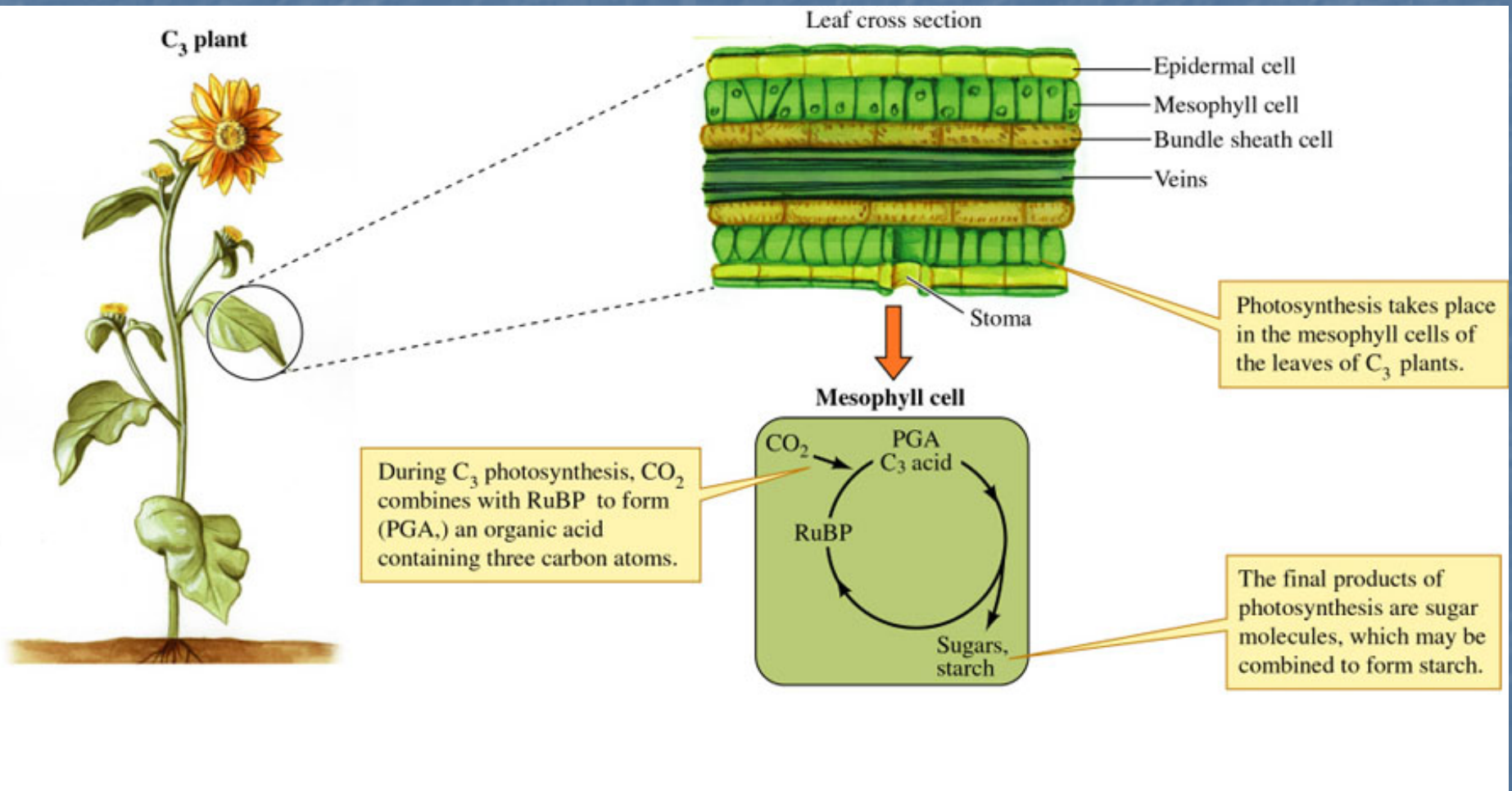
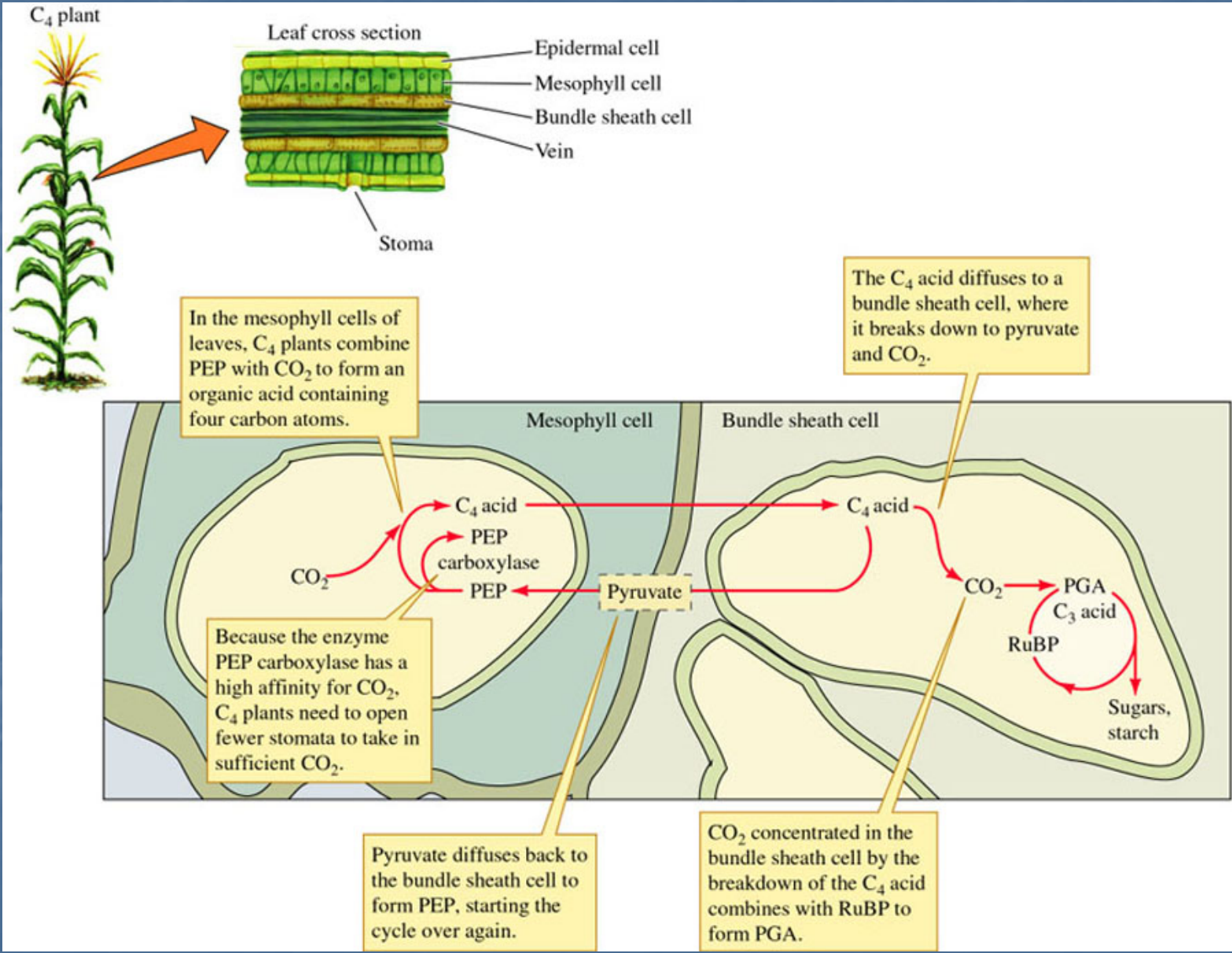


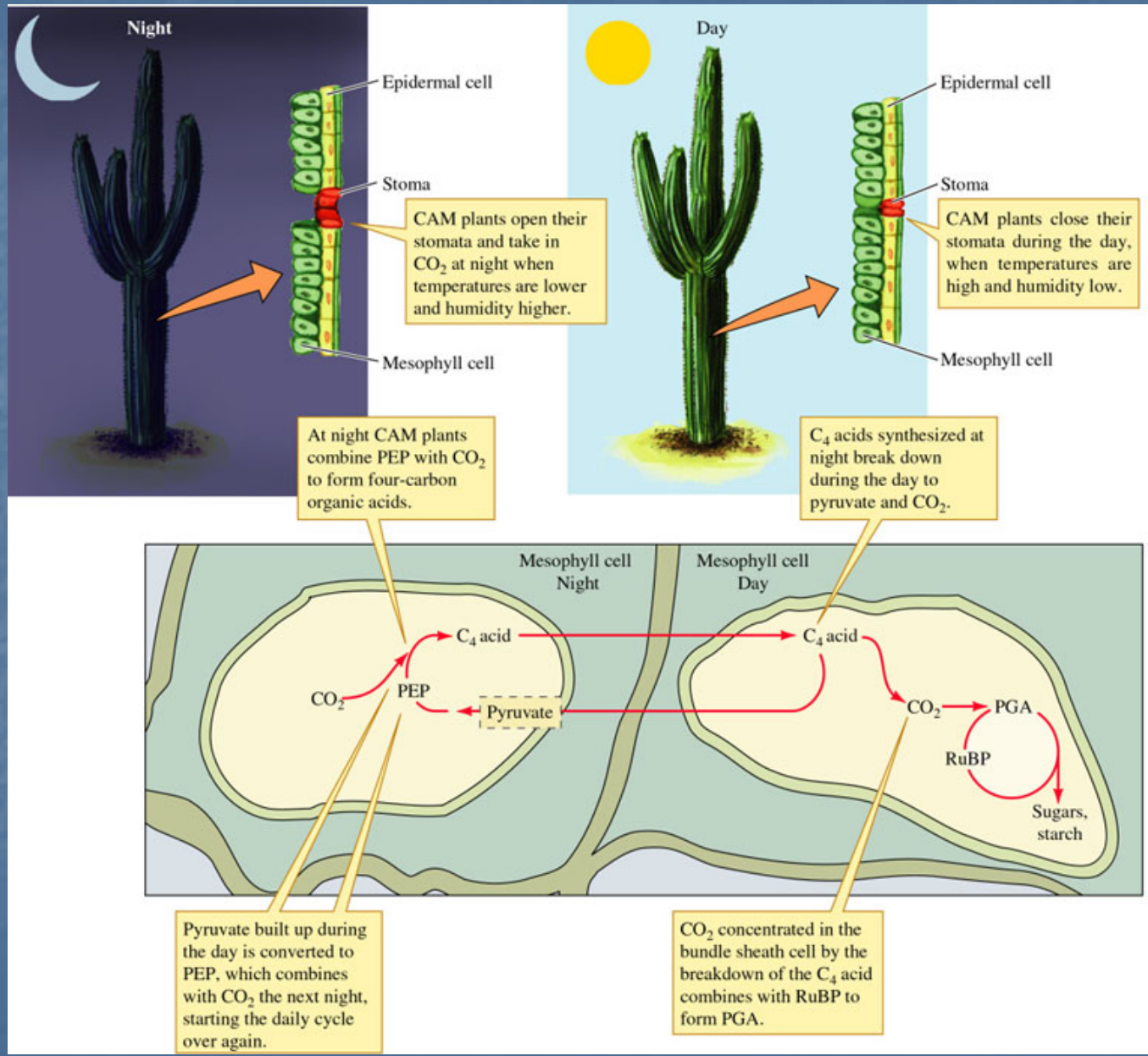
C₃ photosynthesis



C₄ photosynthesis



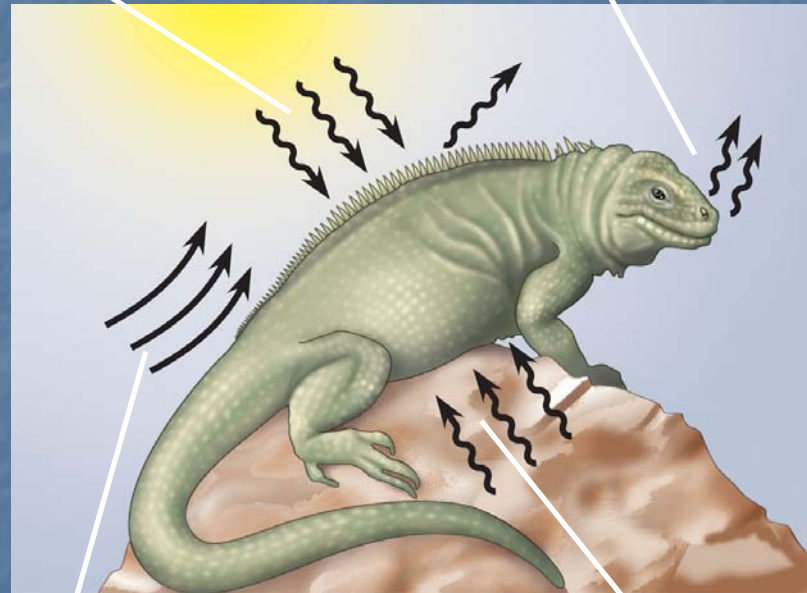
Crassulacean acid metabolism photosynthesis



Modes of Heat Exchange

Radiation: emission of electromagnetic waves by objects warmer than absolute zero

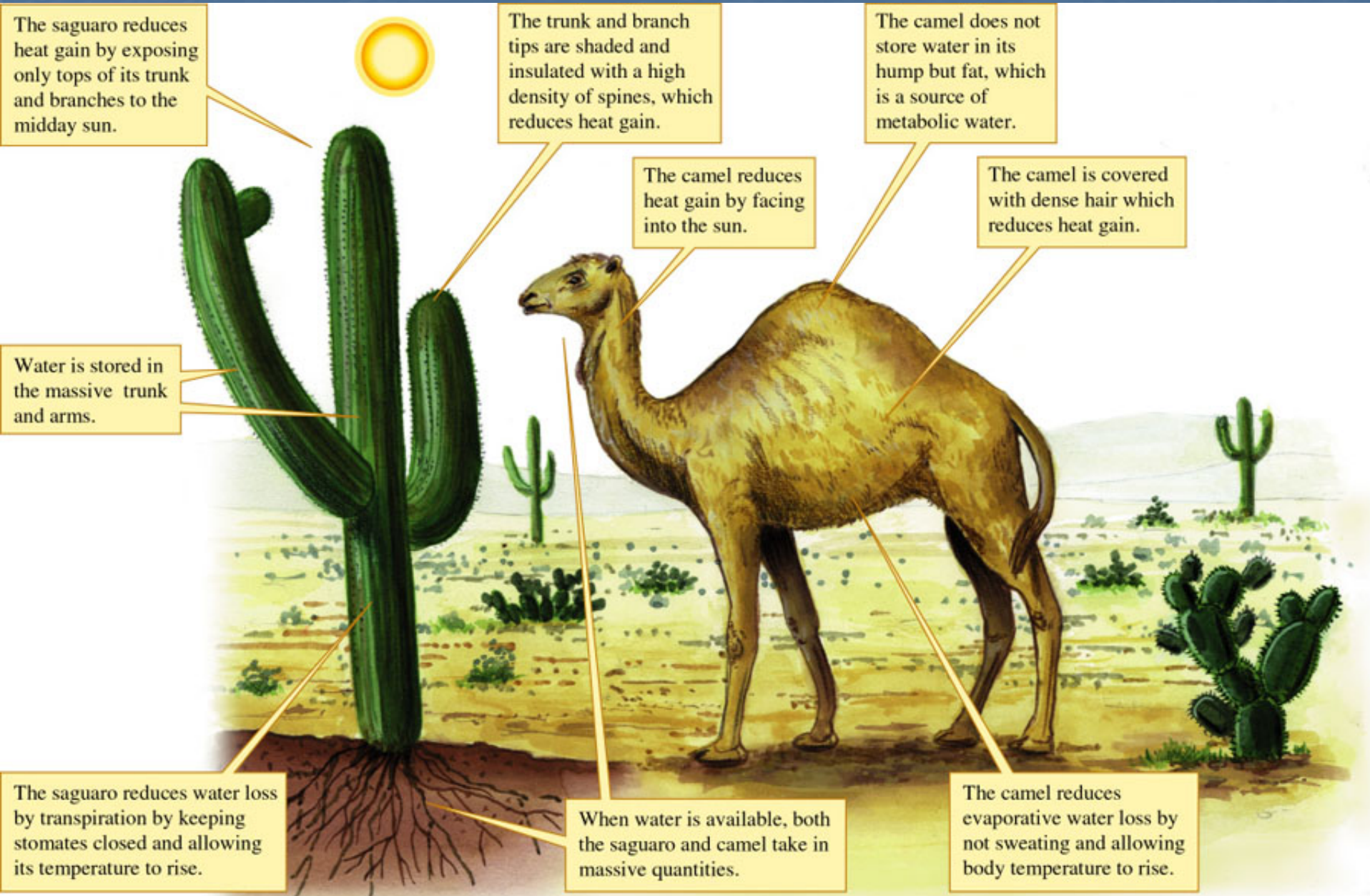
Evaporation: removal of heat from surface of a liquid that is losing some of its molecules as gas.



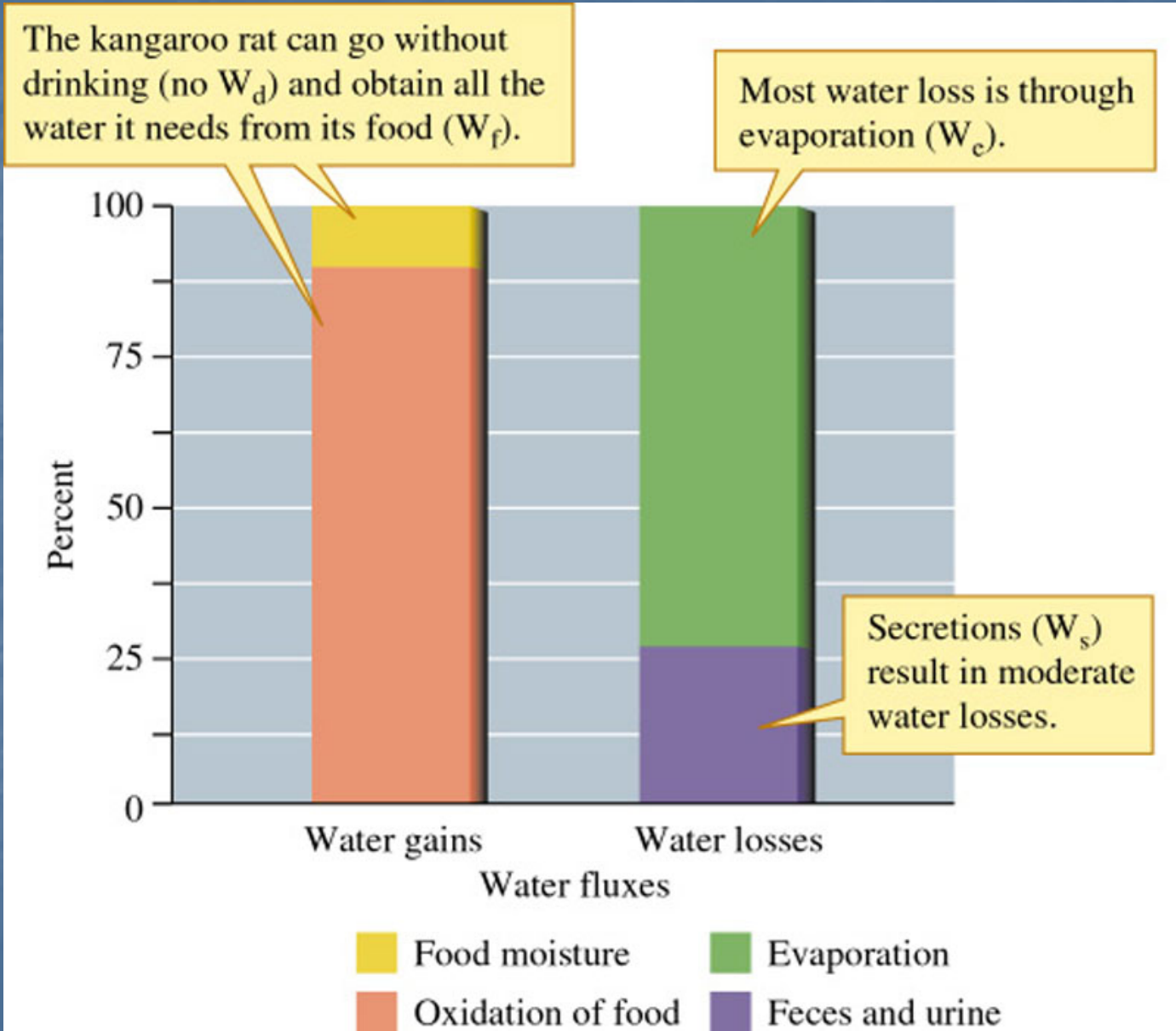
Convection: transfer of heat by movement of air or liquid past a surface.

Conduction: direct transfer of thermal motion (heat) between molecules of objects in direct contact with each other

Desert living approaches similar for plants & animals



Water balance in kangaroo rat



Source: Schmidt-Nielsen 1964