Parameters

TOA Albedo=SW_Up / Solar

SW_Down = Solar

SW_Up

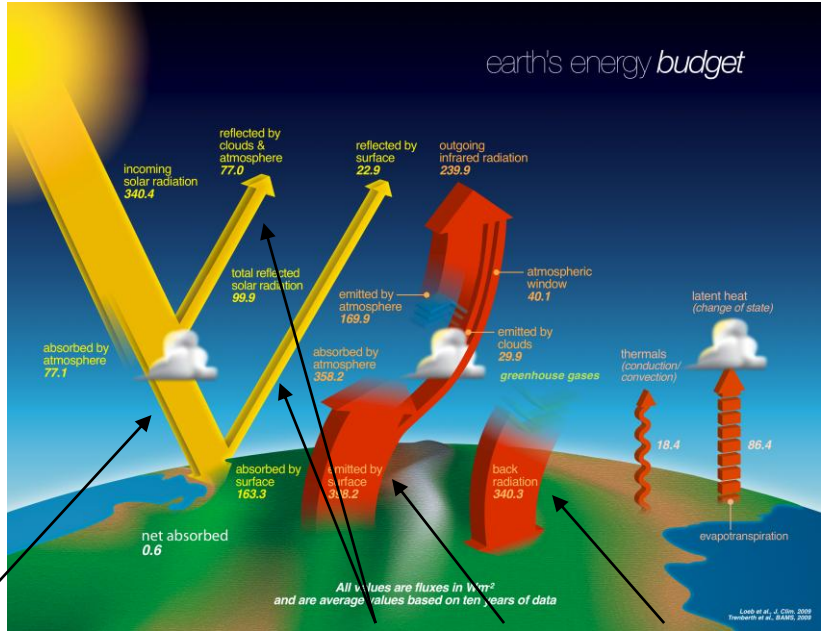
PAR

LW_Up

TOT_NET = In - Out =
Solar - SW_Up - LW_Up

Top of Atmosphere (TOA)

Image credit: Kiehl and Trenberth, 1997



TOT_NET = In - Out =
SW_Down + LW_Down
- SW_Up - LW_Up

Surface (SFC)

SW_Down

SW_Up

LW_Up

LW_Down

SFC Albedo = SW_Up / SW_Down