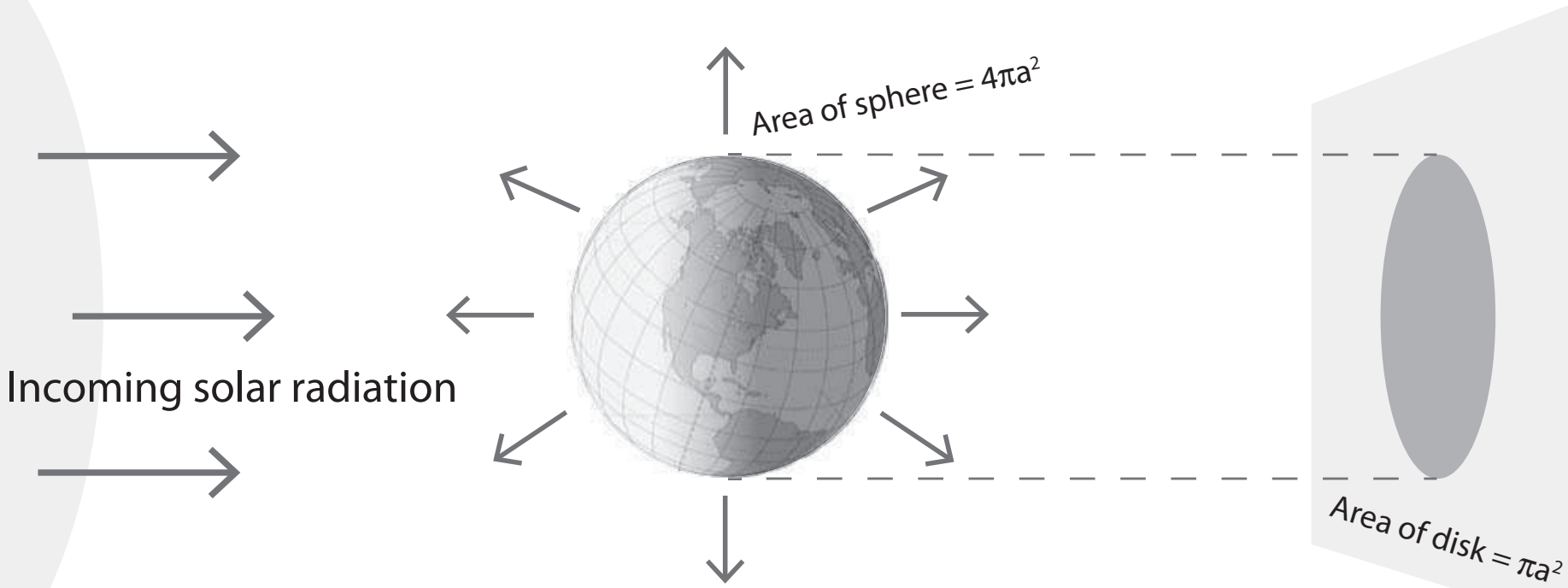
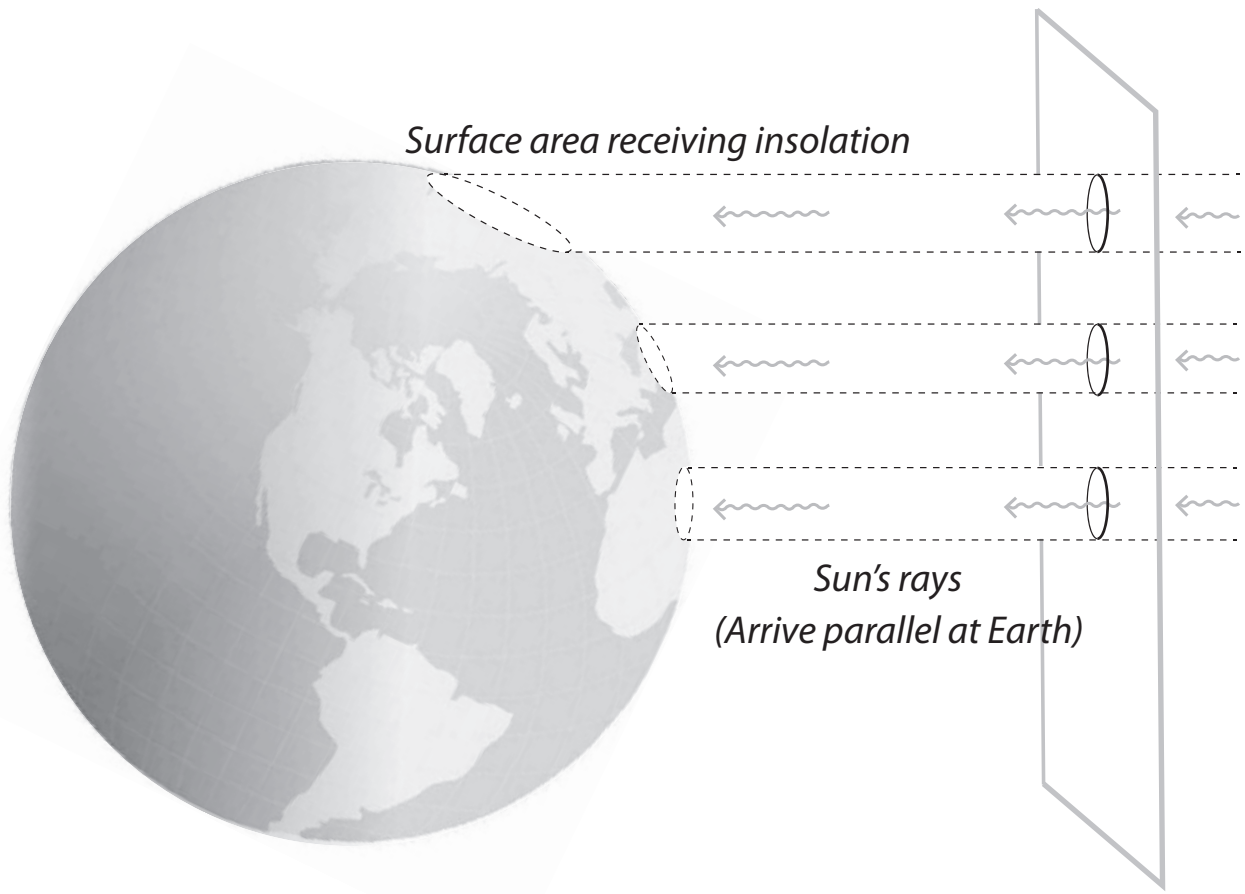

Area of sphere = $4\pi a^2$
Incoming solar radiation
Outgoing long-wave radiation
Area of disk = πa^2


Surface area receiving insolation
Sun's rays
(Arrive parallel at Earth)