Figure 9

Atmosphere

Radiative cooling
(high entropy)

Liquid ← Condensation → Vapor

Precipitation

Equilibrium at cold temperature favours liquid or ice

Surface

Liquid ← Evaporation → Vapor

Radiative heating
(low entropy)

Equilibrium at warm temperature favours vapor

Heat engine

Condensational heating

Buoyant transport

Sensible heat flux

Energy transfer by longwave radiative transfer

Heat engine