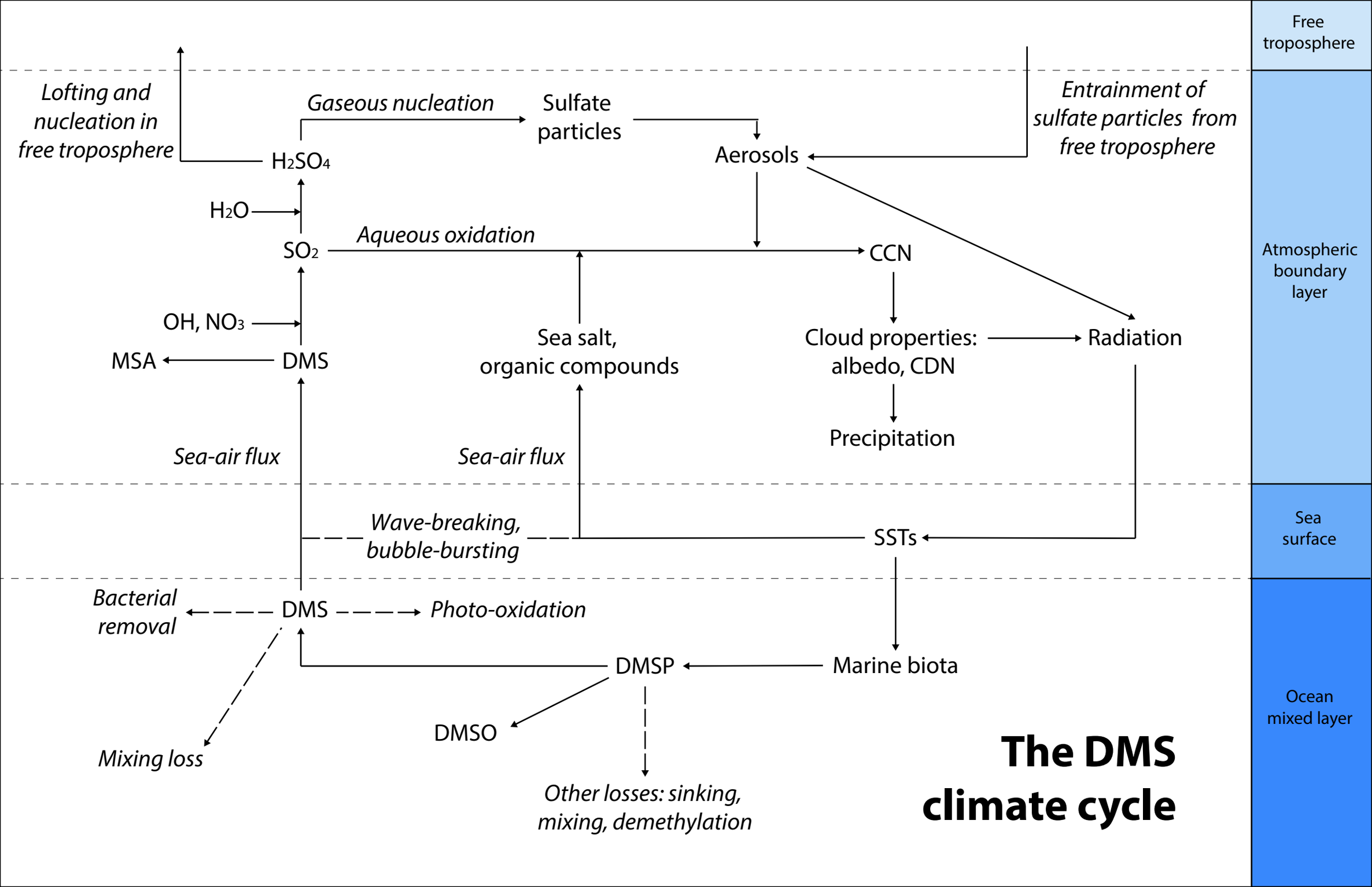
Free troposphere
Atmospheric boundary layer
Sea surface
Ocean mixed layer
Lofting and nucleation in free troposphere
Gaseous nucleation
Sulfate particles
Entrainment of sulfate particles from free troposphere
H2SO4
Aerosols
H2O
SO2
Aqueous oxidation
CCN
OH, NO3
Sea salt, organic compounds
Cloud properties: albedo, CDN
Radiation
MSA
DMS
Precipitation
Sea-air flux
Sea-air flux
Wave-breaking, bubble-bursting
SSTs
Bacterial removal
DMS
Photo-oxidation
DMSP
Marine biota
DMSO
Mixing loss
Other losses: sinking, mixing, demethylation
The DMS climate cycle