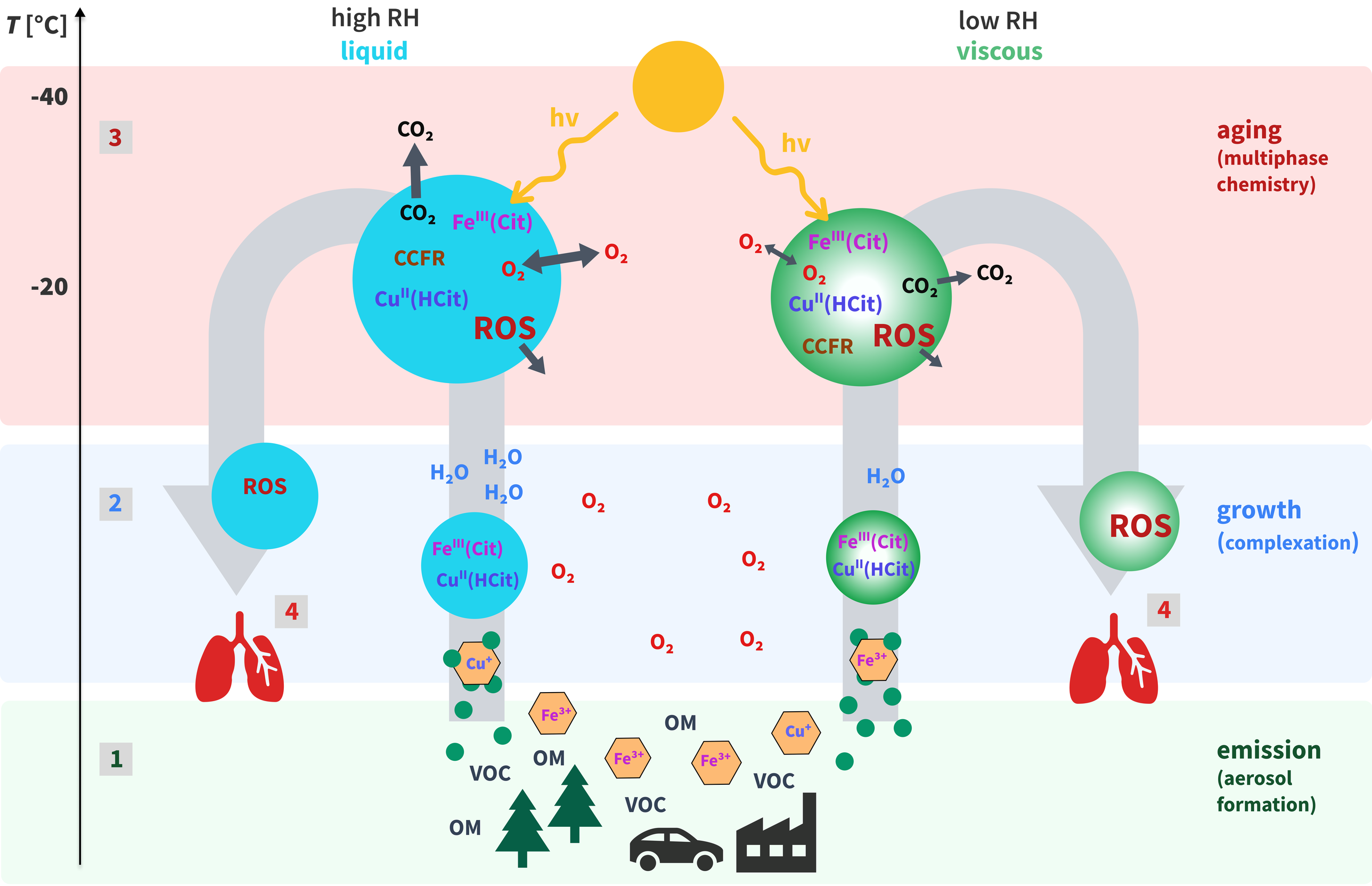
T [°C]
-40
-20
high RH
liquid
low RH
viscous
hv
hv
3
aging
(multiphase
chemistry)
CO2
CO2
Fe^III(Cit)
CCFR
O2
O2
Cu^II(HCit)
ROS
O2
Fe^III(Cit)
O2
CO2
CO2
Cu^II(HCit)
CCFR
ROS
2
ROS
H2O
H2O
H2O
O2
O2
H2O
Fe^III(Cit)
Cu^II(HCit)
O2
O2
Fe^III(Cit)
Cu^II(HCit)
ROS
growth
(complexation)
4
4
O2
O2
Cu+
Fe3+
1
Fe3+
OM
Cu+
Fe3+
Fe3+
VOC
OM
VOC
VOC
OM
emission
(aerosol
formation)