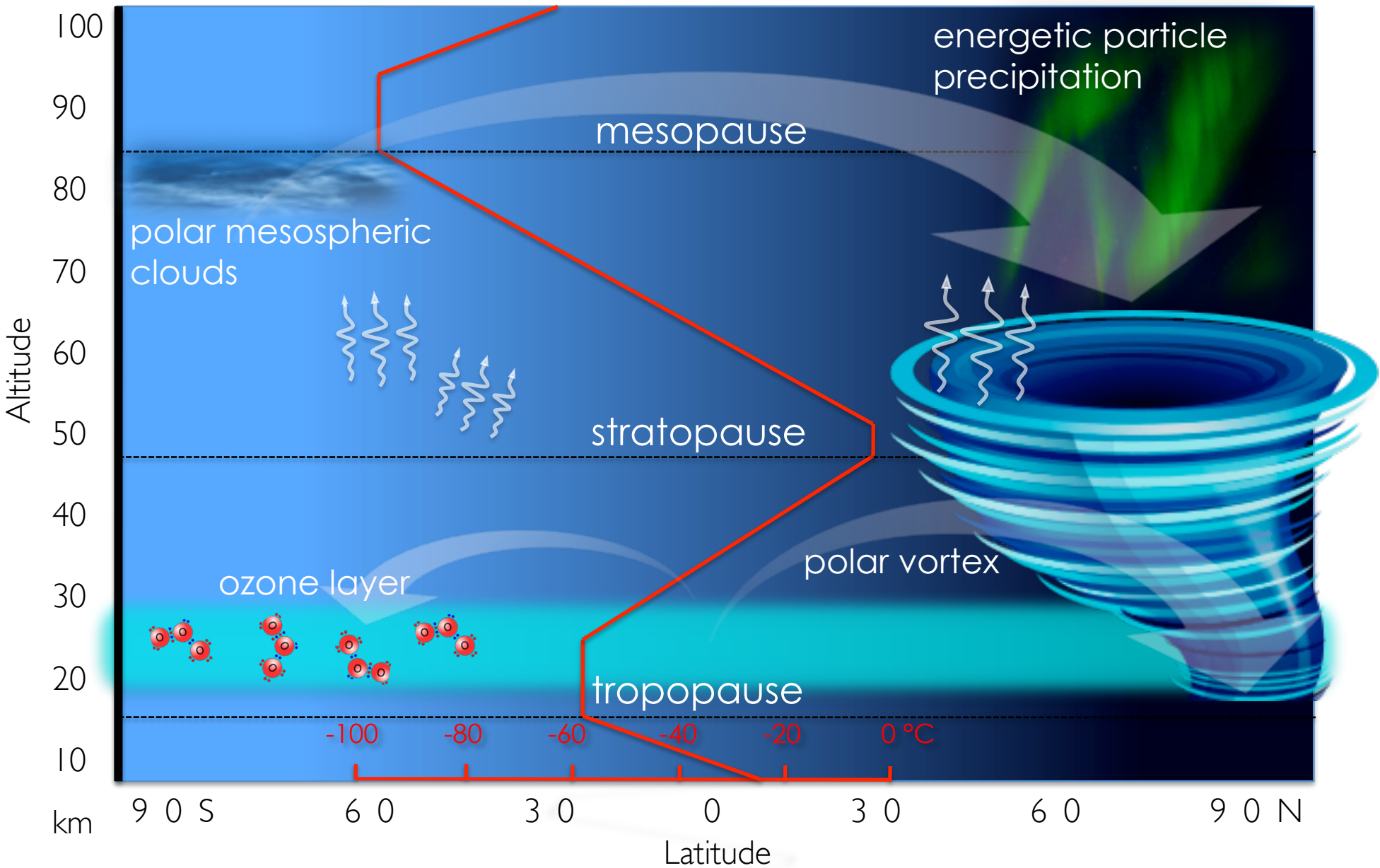


summer

winter



energetic particle precipitation

mesopause

polar mesospheric clouds

stratopause

ozone layer

polar vortex

tropopause

-100 -80 -60 -40 -20 0 °C

100
90
80
70
60
50
40
30
20
10
km

9 0 S 6 0 3 0 0 3 0 6 0 9 0 N

Latitude