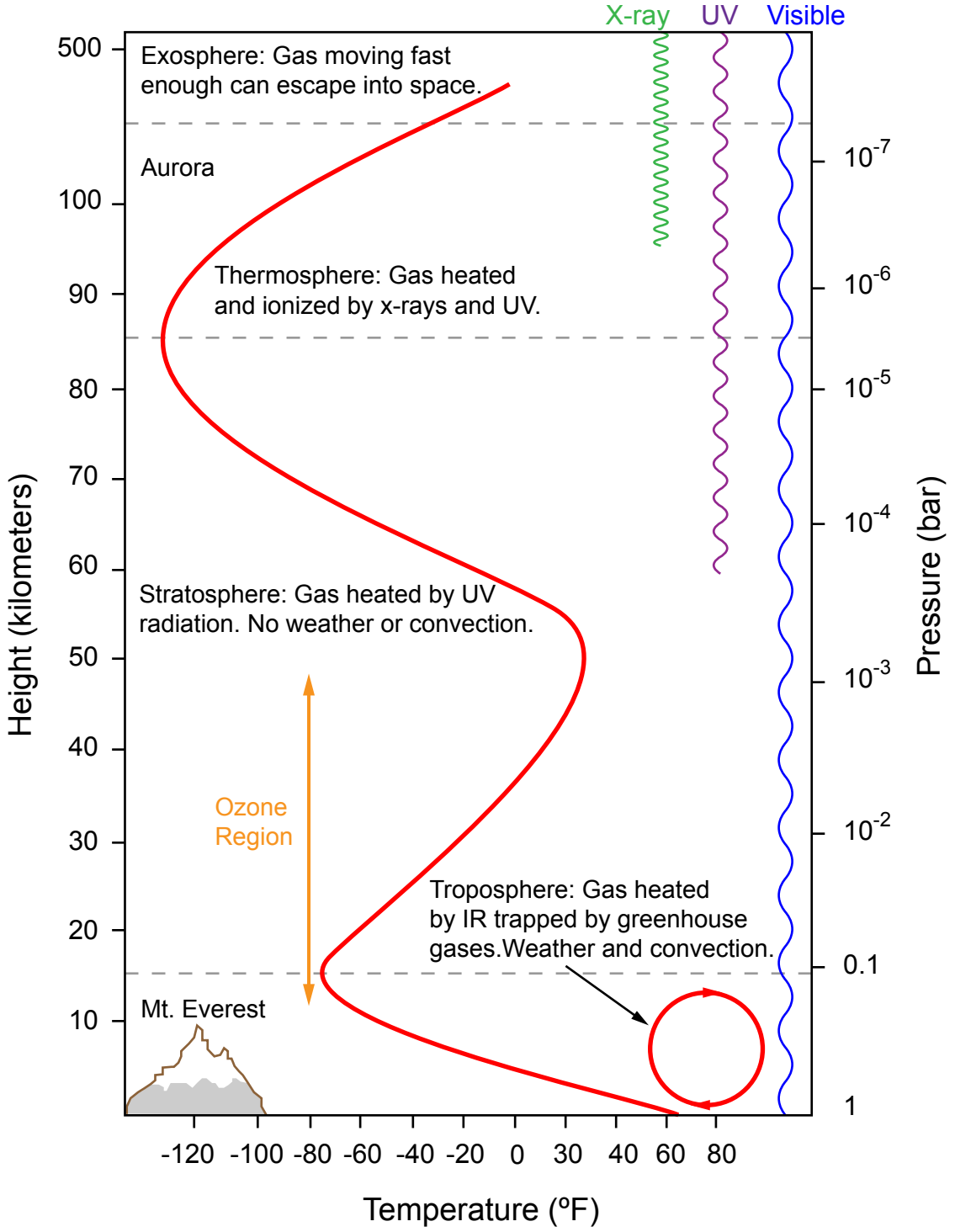
X-ray
UV
Visible
Exosphere: Gas moving fast enough can escape into space.
Aurora
Thermosphere: Gas heated and ionized by x-rays and UV.
Stratosphere: Gas heated by UV radiation. No weather or convection.
Ozone Region
Troposphere: Gas heated by IR trapped by greenhouse gases.Weather and convection.
Mt. Everest
Height (kilometers)
500
100
90
80
70
60
50
40
30
20
10
Pressure (bar)
$10^{-7}$
$10^{-6}$
$10^{-5}$
$10^{-4}$
$10^{-3}$
$10^{-2}$
0.1
1
-120 -100 -80 -60 -40 -20 0 30 40 60 80
Temperature (ºF)