

CURRENTS & CLIMATE

CURRENTS
 POLES → EQ
 EQ → POLES

N HEMI: CW - S HEMI: CCW
 HUMBOLDT CURRENT: CARRIES COLD H₂O
 GULF STREAM, N ATL. DRIFT: CARRY WARM H₂O

DRIFT
 ORIGINATE FROM WIND

ATMOSPHERE
 WEIGHT ≈ 34 FT OF H₂O COVERING EARTH

TROPOSPHERE
 WHERE WE LIVE; FLUID; OCEAN OF AIR

WAVES & CURRENTS IN TROPOSPHERE

CONDENSATION
 CLOUDS

14 $\frac{\text{LBS}}{\text{IN}^2}$
 WEIGHT OF ATMOSPHERE

NITROGEN
 78%

OXYGEN
 21%

~~THERMOSPHERE~~ ~90 km 1500 - -90°C

~~MESOSPHERE~~ ~50 km 0 - -90°C

~~STRATOSPHERE~~ ~11 km 0 - 60°C

O₃ LAYER @ TOP

ALL WEATHER
 TROPOSPHERE ~ +20 - 50°C