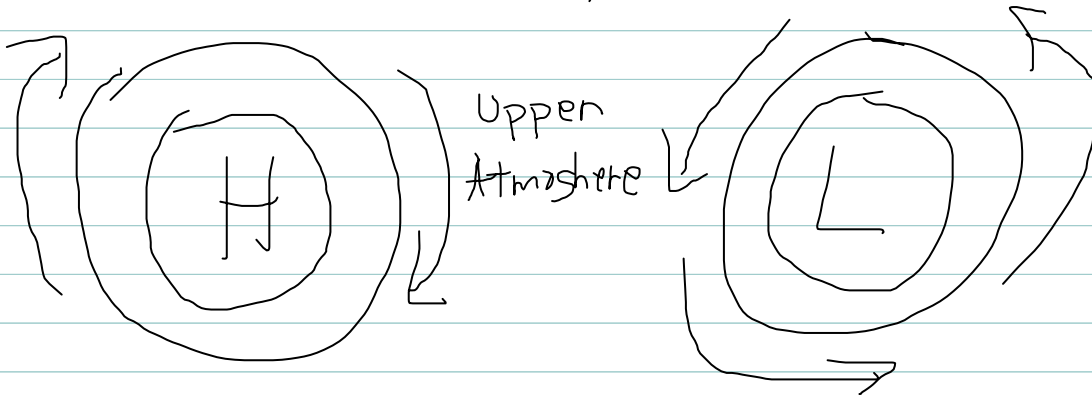


Albedo

- reflection of energy



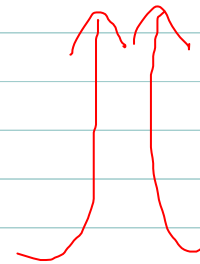
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Anticyclone (High Pressure)

Heat Transfer

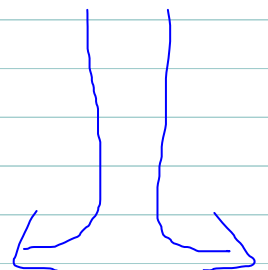
- radiation from sun
- convection (rising air currents)
- conduction (contact)
- advection (spreads laterally)

Cyclone



Low

Anticyclone



High

Low pressure always at equator

- doldrums

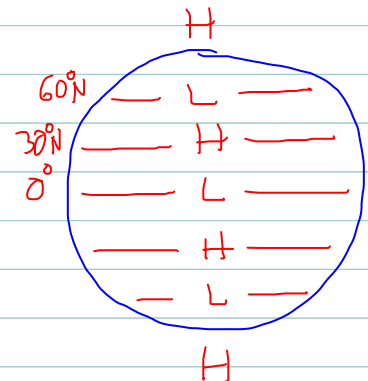
High pressure at poles

- thermal high pressure zones

Rotational High Pressure 30°N - 30°S

Westerly Prevailing Winds 30°N - 60°N / 30°S - 60°S

Semi-permanent High Low Oceanic



Doldrums

- intertropical convergence zone

Polar Front

- boundary between cold air from poles and warm air from equator

Primary circulation of atmosphere

- wind regions, pressure regions, jet streams
- migrate
- South during winter
- moves north during summer

Jet Stream

- used to conserve fuel in jets

Siberian High

- Asia (winter)

Canadian High (winter)

West India Low

- western India (summer)

Surface trades wet

Upper trades dry

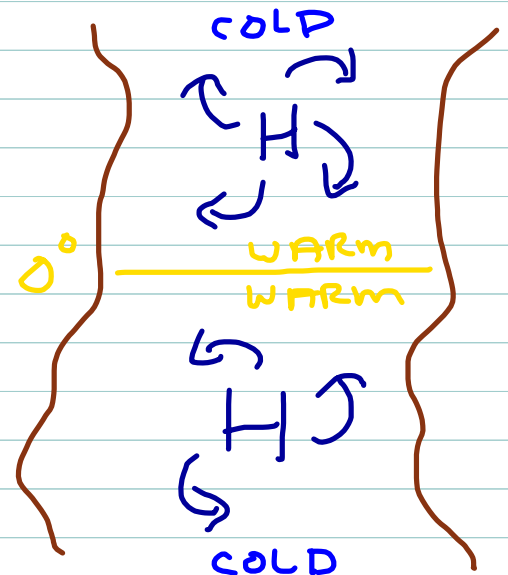
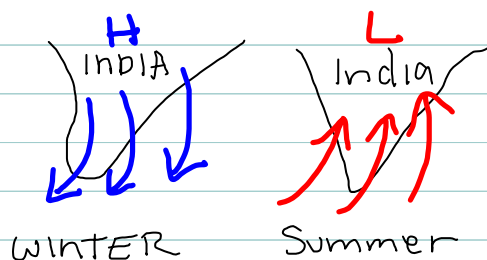
Wet - equator

Dry - 30° N, 30° S

Dry Season in tropics in Dec/July

Monsoon Climatic Regime

- Seasonal of wind direction due to uneven heating of land/water



West side
- unstable
- rain (east land)

East side
- cool air
- dry