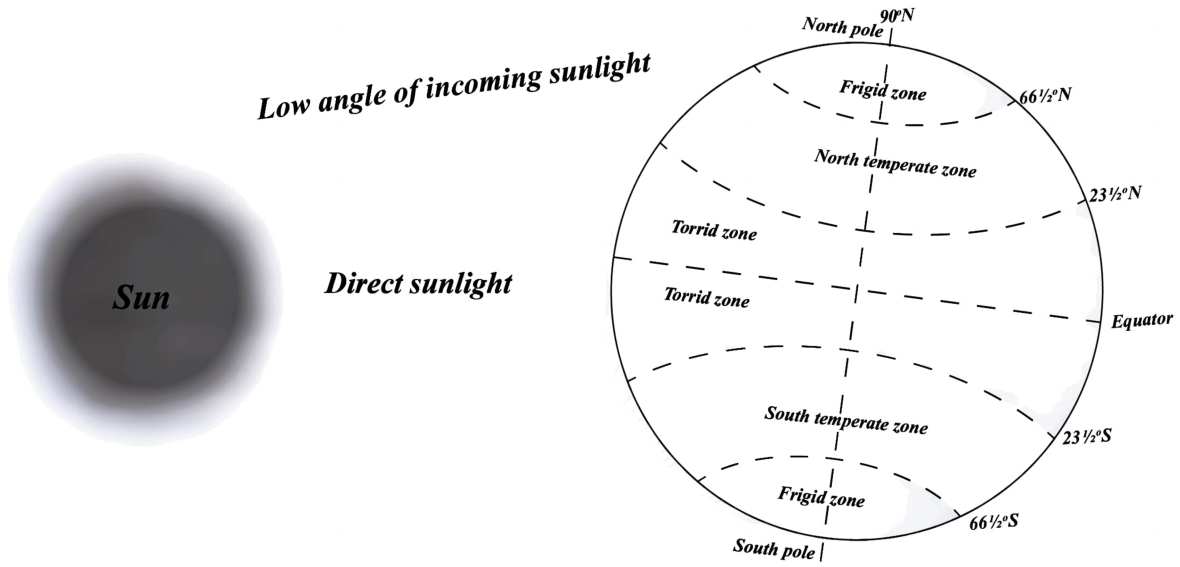
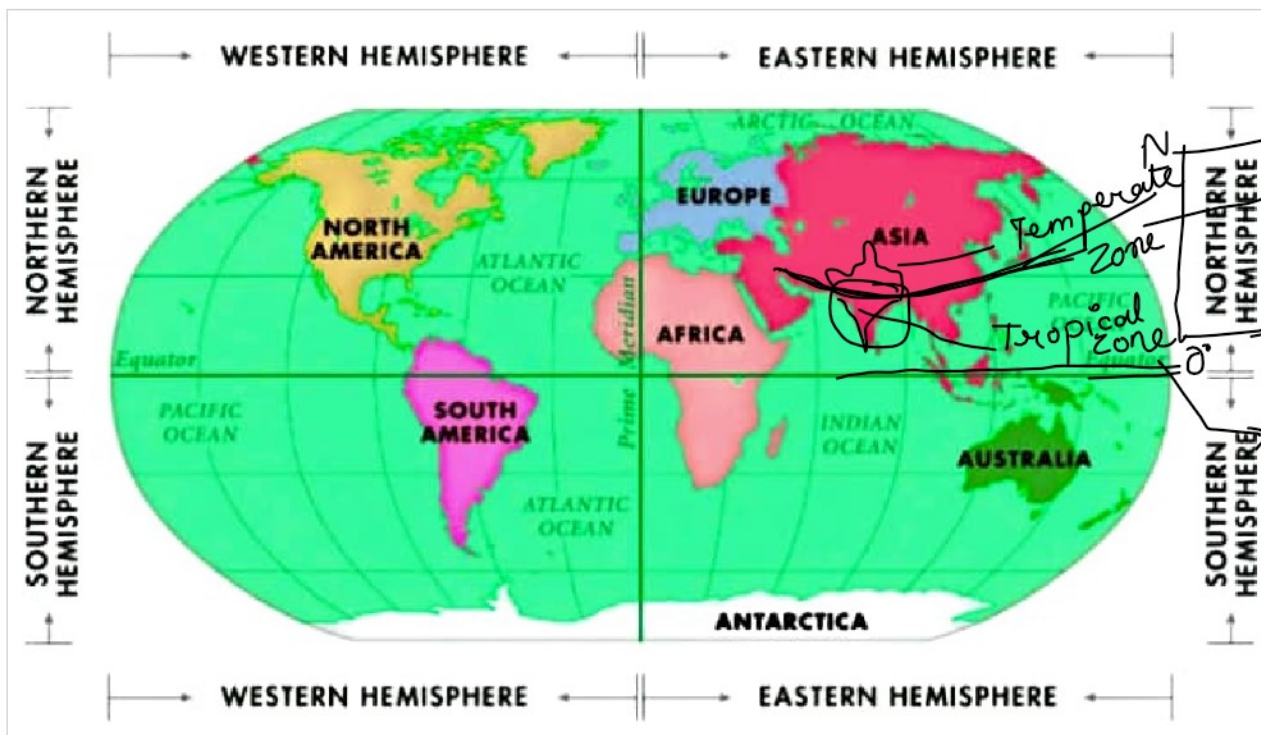
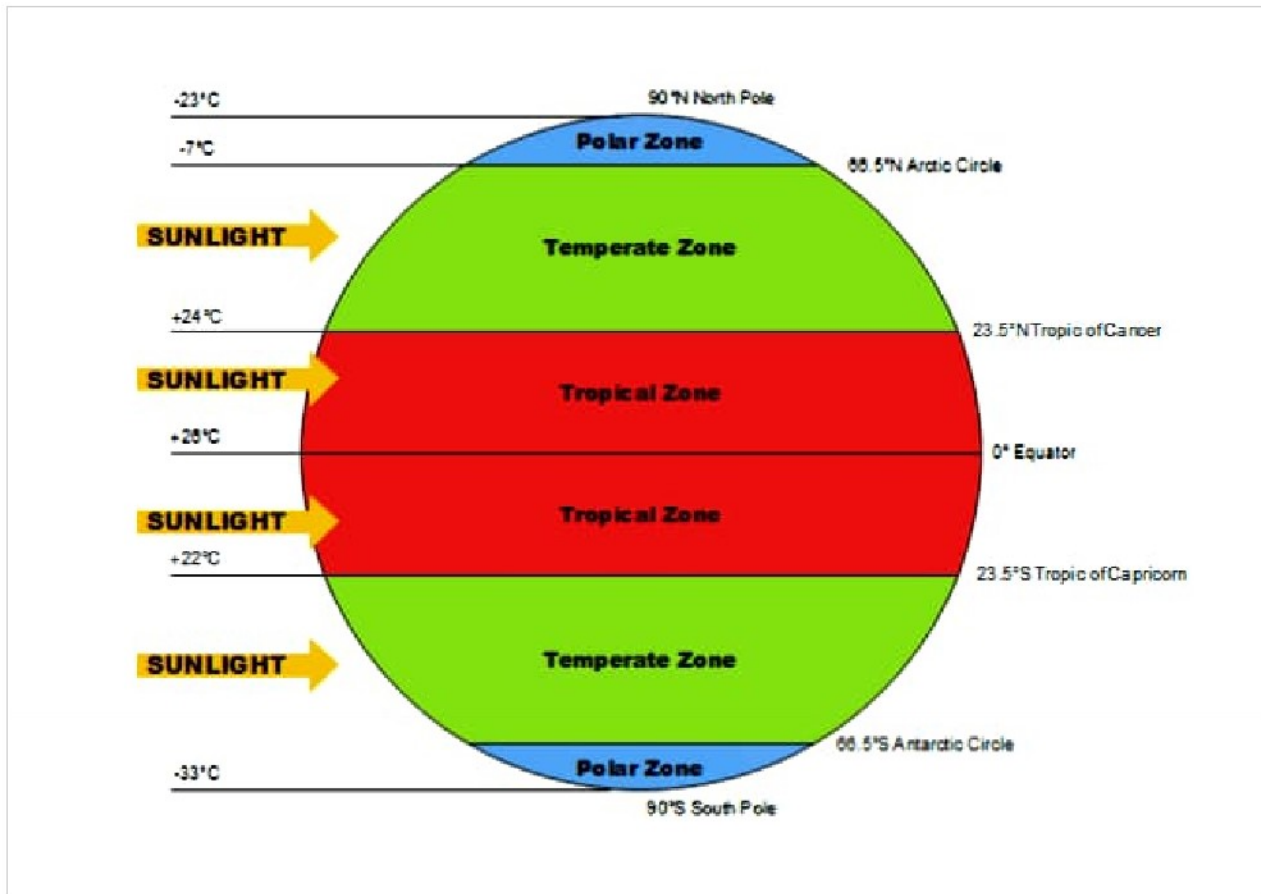


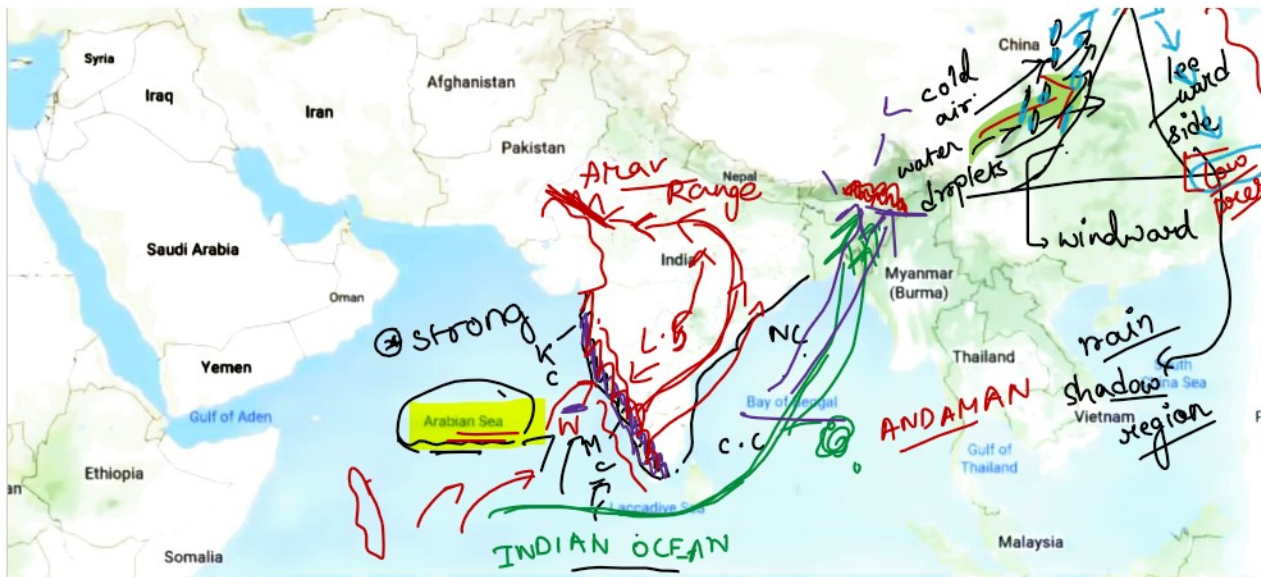


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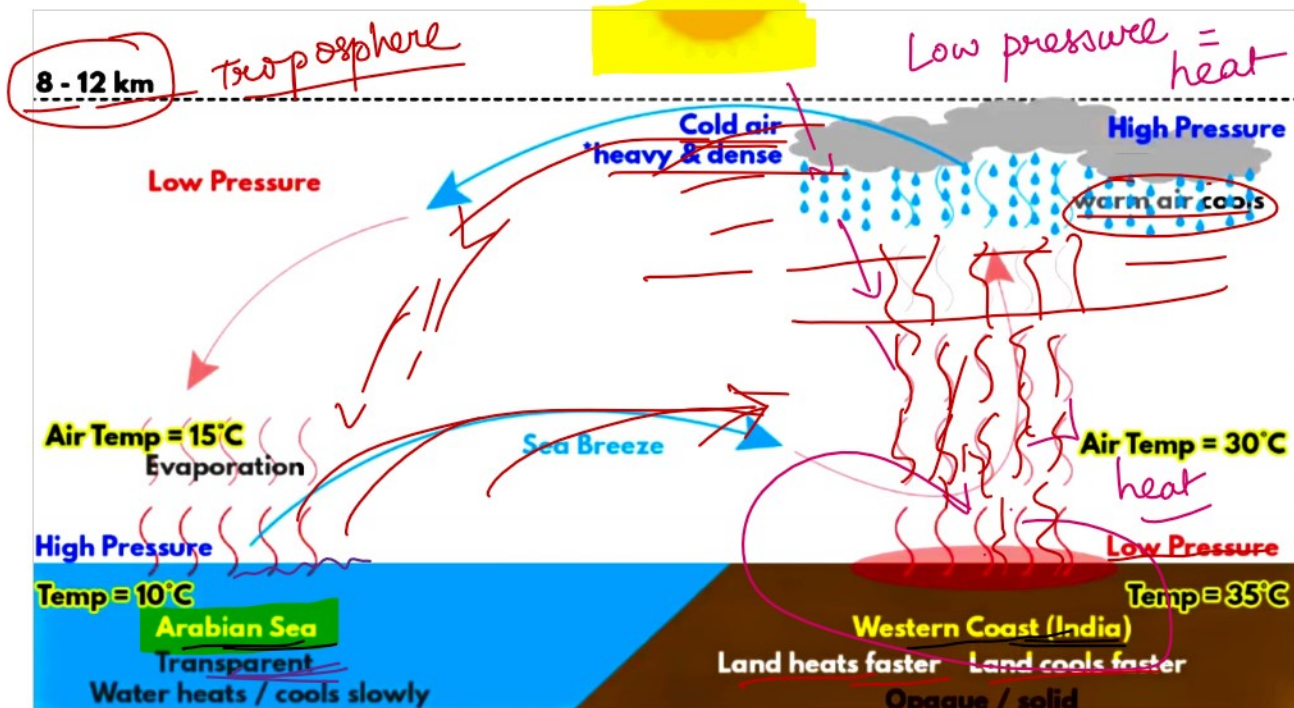
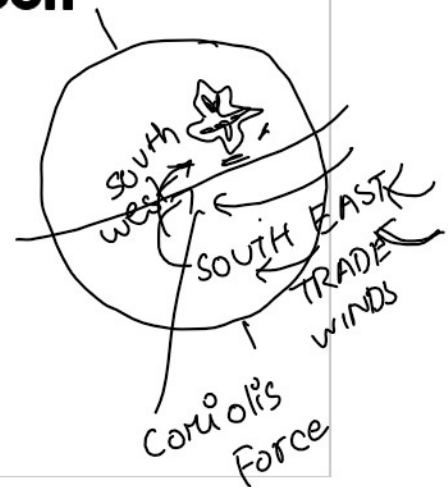


Temperature Zones of Earth





Mechanism of Southwest Monsoon



Climate of India and Regional Variations

→ Tropical monsoon type climate

Hot summers + dry winters

→ Imp. of Himalayas :-

- It protects Northern India from the cold winds that blow from Central Asia.

→ Continental type of climate is experienced in Northern India.

↳ hot summers
cold winters
little rainfall

↳ diurnal range of temperature (Max. temp.
- Min temp.)

Temperature difference is quite large.

Regional Variations

→ While Barmer (Rajasthan) experiences a temp. of $48 - 50^{\circ}\text{C}$ in June.

Pahalgam in Kashmir is experiencing 22°C in June

→ While Kerala enjoys tropical climate with warm and moist air, Punjab experiences continental type of climate. — severe heat during summer, severe cold during winters.

While
→ Temp. in Kerala $20^{\circ}\text{C} - 22^{\circ}\text{C}$ during winters,
in Kargil temp. can drop below -40°C .

→ diff. between day and night ^{temp.} in Kerala maybe $7\text{ to }8^{\circ}\text{C}$, while in Rajasthan the difference is around $25^{\circ}\text{C} - 30^{\circ}\text{C}$.

→ Himalayas — snowfall.
Other states — rainfall.

→ Mawsynram + Cherrapunji → 1100 cms of rainfall (Meghalaya) [annually]

Rajasthan → 9 cms of rainfall [annually]

→ [June to Sept.]
Monsoon Months
[For most of the states]

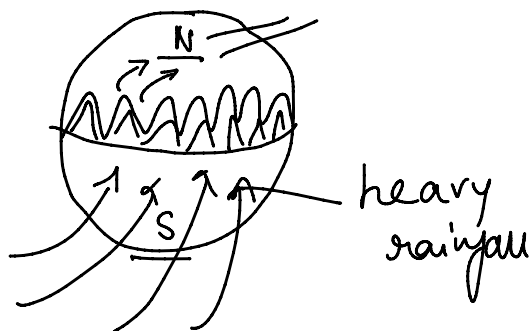
Tamil Nadu
rainfall during winters.

The Monsoon Winds

↳ Arabian Sea Branch

↳ Bay of Bengal Branch

→ Areas of southern Assam — heavy rainfall



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