

L-6 Weather and Climate

New words -

1) interchangeably

9) temperature

2) precipitation

10) Cloudiness

3) Humidity

11) atmosphere

4) Capricorn

12) frigid

5) Arctic

13) Antarctic

6) meteorologist

14) Climatologist

7) altitude

15) Ludhiana

8) equable

16) slanting

Define

1) Atmosphere - A blanket of gases that surrounds the earth is called atmosphere.

2. Humidity :- 'The amount of water vapour present per unit of air.'

3. Meteorologists - People who study weather conditions are called meteorologists.

4. Climatologists - People who study climate are called climatologists.

5. Sea breeze - A wind blowing from sea to land during day.

Answer these questions -

Q1. What is the difference between weather and Climate.

Ans. Weather

Climate

1. It is the condition of the atmosphere at a given time and place.
- 2) It is for a short period of time.

- It is the average weather conditions
- 2) It is over a long period of time.

Q2. Mention the factors which influence the weather of a place.

Ans. The factors which influence the weather of a place are -

i) precipitation

ii) Temperature

iii) Wind

iv) Cloudiness

v) Humidity

vi) Atmospheric pressure

Q3. How do winds influence the climate of a place?

Ans. Winds coming from the hot areas increase the temperature of the place they blow to; while winds coming from the cold areas lower the temperature of the place they blow to.

Q4. Name the three heat zones of the Earth.

Ans. The three heat zones of the Earth are -

1) Torrid Zone

2) Temperate Zone

3) Frigid Zone

Q5. How does the climate of a region affect the lifestyle of the people?

Ans. People live in different types of houses, eat a variety of food and wear different kinds of clothes. This diversity in lifestyle is due to the different climatic conditions.

Q6. Differentiate between the Climate of Delhi and Mumbai. Mention the factors responsible for the difference. (HOTS)

Ans. Mumbai has equable climate as it is situated close to the sea. On the other hand Delhi experiences extreme climate as it is away from the coast.

The climatic factor, distance from the sea, is responsible for this difference.

Give Reasons :-

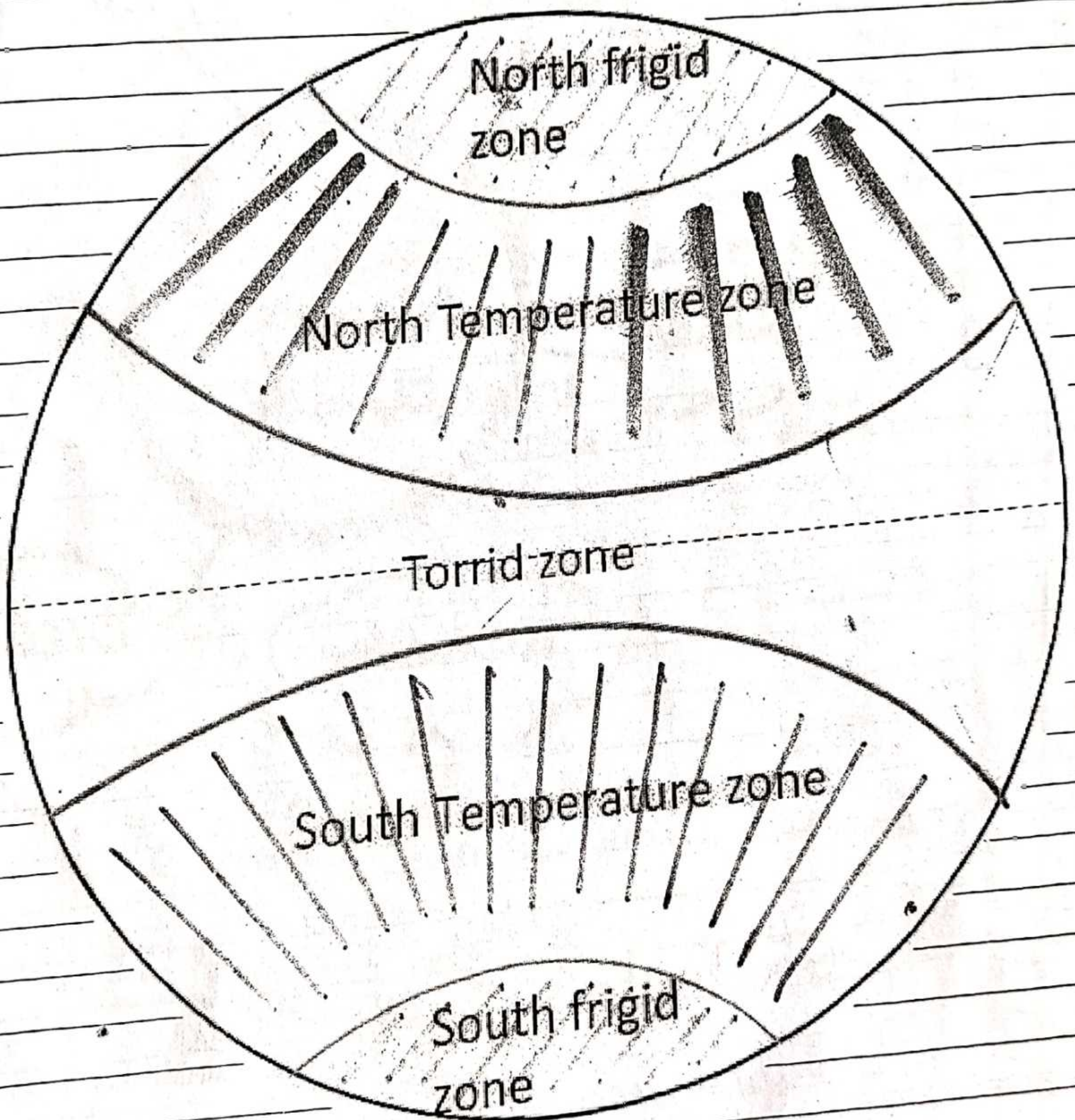
1) Places near the equator receive more heat and are hotter.

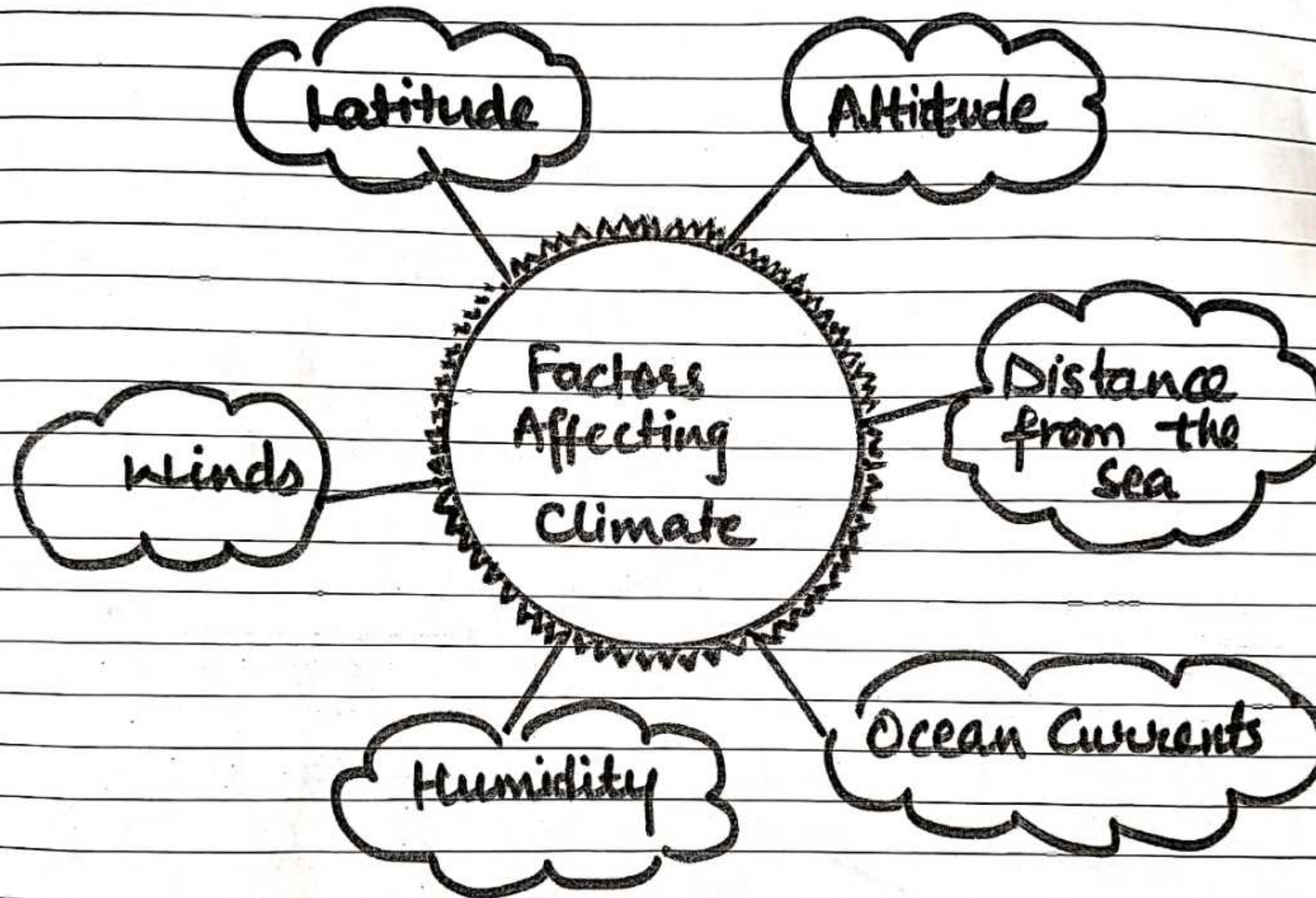
Ans In the equatorial regions, the sun rays are vertical. They are spread on a small area. Hence, places near the equator receive more heat and are hotter.

2) The higher we go, the cooler it becomes.

Ans The higher we go, the cooler it becomes because temperature falls with height gained.

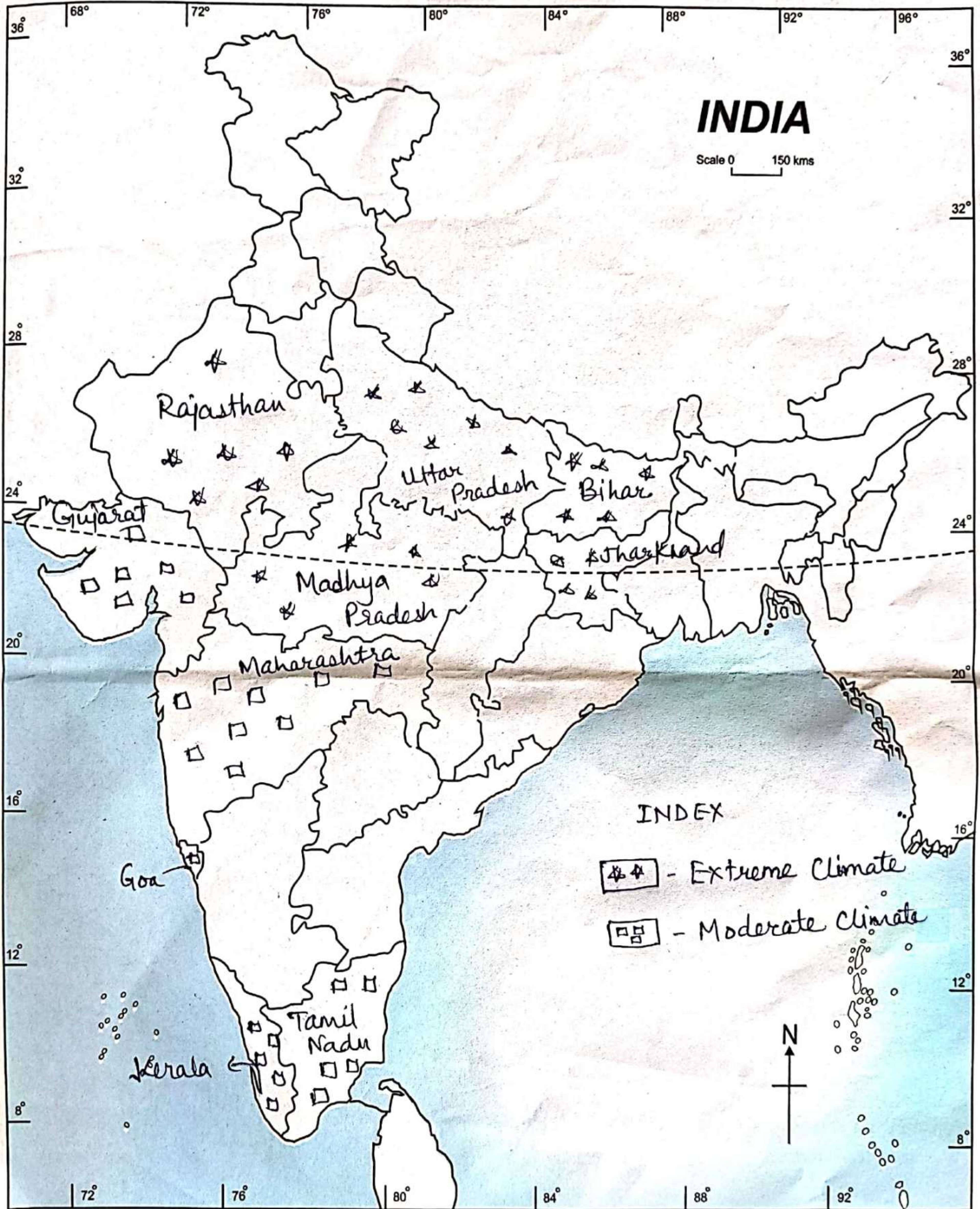
Heat Zones of the Earth





* Locate the states having a moderate climate and an extreme climate.

Name _____ Std. _____ Div. _____ Roll No. _____ Date _____



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VALENTINE - Map 04