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Ch Climate

The Indian Monsoon

The climate of India is strongly influenced by monsoon winds.

The Arab traders who noticed these winds named it as monsoon.

Following facts are important to understand mechanism monsoons –

The differential heating and cooling of land and water.

The Inter-Tropical Convergence Zone (ITCZ) is a broad trough of low pressure in equatorial latitudes where the northeast and the southeast trade winds converge.

The presence of the high-pressure area, east of Madagascar.

The intense heating of Tibetan plateau during summer.

The movement of the westerly jet stream to the north of the Himalayas and the presence of the tropical easterly jet stream over the Indian peninsula during summer.

Apart from his changes in the pressure conditions over the southern oceans also affect monsoon.

The periodic change in pressure conditions known as 'Southern Oscillation' or SO affects monsoon too.

El Nino is a warm ocean current that flows past the Peruvian coast in place of the cold Peruvian current, every 2 to 5 years

Read the above passage throughly and try to understand and give the answer of the following question :

- 1.What is the I.T.C.Z?
- 2.What is the Southern Oscillation?
- 3.What is El.Nino?
- 4.Who give the Wind name is Monsoon?

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