

Homework :-

- ① Describe mechanism of El Niño in your own words. (4)
- ② How does presence of Tibetan plateau influence arrival of monsoon in India?
- ③ What are jet streams? (2)

Answers :-

- ① * Periodic development of warm ocean currents along the coast of Peru is called El Niño.
 - * Due to El Niño the sea surface temperature increases.
 - * Trade winds becomes weaker in this region.
 - * This overall results in weak monsoon showers in India.
- ② * Tibetan plateau gets intensely heated during summer.
 - * The air above the surface heats up.
 - * This results in strong air currents causing low pressure.

* Air currents in ocean remains cool & moves towards low pressure area.

* This therefore creates a geographical phenomenon required for monsoon.

(3) Upper tropospheric circulation flowing with high velocity in summer & winter, is called Jet streams.

* Jet streams are located in 27° - 30° north & therefore are called subtropical westerly jet streams.