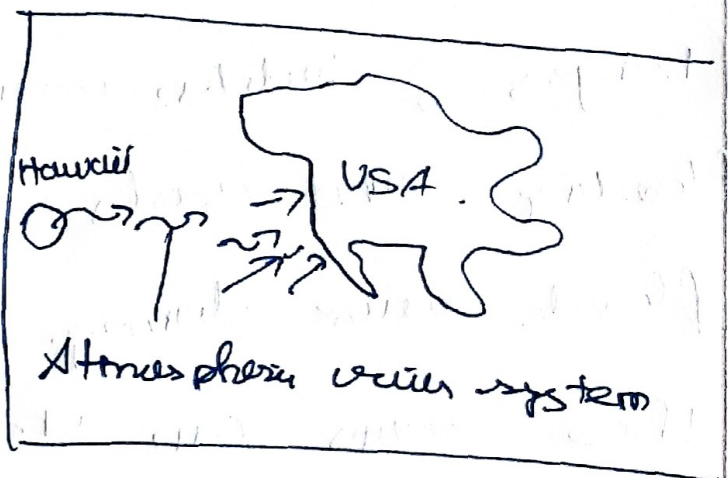


What are atmospheric rivers? Explain the adv. & disadv. of it.

The Pinapple expresses atmospheric river system caused excessive rainfall in the Southern California region of the United States.

Atmospheric rivers They are the long, narrow stretch of the atmosphere that carry water vapour from the tropics to the polar regions. They are connected with temperate cyclones and they are influenced by the westerlies. They are the areas of strong winds before the cold front of the system.



Atmospheric river systems can be both beneficial and catastrophic.

Benefits - Atmosphere rivers are the largest transport mechanism of freshwater in the world. They can regulate the heat budget and hydrological cycle.

The moisture that it carries reduces the extent of wildfires along the western coasts of the continents.

It benefits fisheries such as the Chinook salmon due to the freshwater it brings.

Dangers - Sudden rainfall causes flash flooding and cracks of mudslides. The floods cause damage to life and property. These rivers can encourage growth of grass and bushes that can act as fuel for wild fires in the dry season.

The institutions such as the National Oceanic and atmospheric administration track the movement of these system through GOES-16, 18 geostationary satellite, the insights can help understand better about the systems.