

Tender Heart High School  
Sector: 33B, Chandigarh

Class : 9<sup>th</sup>

Subject: Geography

Date: 18.11.2024

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Topic: Atmospheric Pressure and Winds

Continued ...

→ Special Winds Around the Earth:

After learnt with the main types of winds in the world we will learn about some another important winds, which influence the climate, local weather of any area or region. There are - Cyclones and Anticyclones.

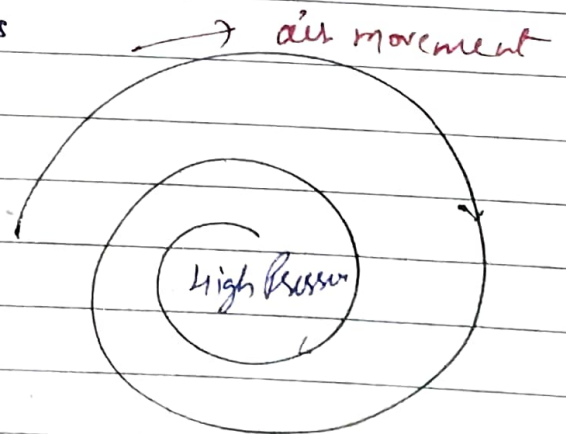
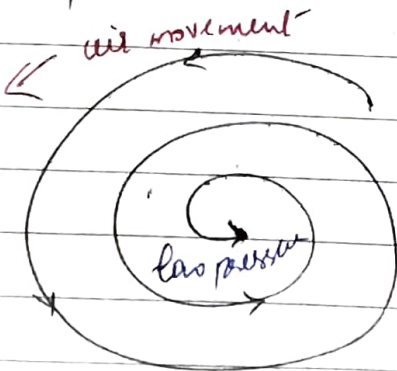
Special winds

(A) Cyclones

(B) Anticyclones.

(i) Tropical

(ii) Temperate cyclones



# Cyclones Types

## (A) Tropical Cyclones

- Found:  $8^{\circ}$  -  $15^{\circ}$  NRS / temp:  $-21^{\circ}\text{C}$
- Season: Summer
- Origin: Thermal in origin
- Names: Typhoons (China), Hurricanes, Willy Willies, Tornadoes.
- Shape & Size: mostly circular with low pressure in center
- + winds blowing at the rate of 100-150 km/h

Eye of the cyclone: - the central part of storm (30-50 km)

## (B) Temperate Cyclones

- $25^{\circ}$  to  $65^{\circ}$  North and South
- winter season
- they are of frontal origin b/w cold and warm air masses.

they are oval in shape

- winds are of moderate velocity.

→ they do not cause much damage.

## Anticyclones

- they are opposite of cyclones.
- + An Anti-cyclone is a high pressure area
- In northern hemisphere winds blow in a clockwise spiral away from the centre. While in the southern hemisphere they blow in an anti-clockwise spiral.
- Season: - winter
- weather: fine weather, clear skies, most stable

- ) After completing the chapter reading, now we will going to do the Back exercise questions and answer discussion and you all will do the important questions/Answer in your notebook.

### Ques's Important Questions :- Long type

- ① what do you mean by atmospheric pressure. describe its factors.
- ② Distinguished between Cyclones and Anticyclones.
- ③ what are Doldrums? why are they called so?
- ④ Compare Trade winds and Anti-Trade winds.
- ⑤ Explain in detail permanent winds of the world.
- ⑥ what do you mean by local winds give their examples and types.
- ⑦ Describe the Monsoon winds and how they develop.
- ⑧ Explain the various types of wind of the world system.
- ⑨ Draw a labelled diagram to show the major pressure Belts of the world and winds.
- ⑩ Compare land and Sea Breeze.