

Structure and features



- 1. Eye
- 2. Eye wall
- 3. Water => 27°C
- 4. Rain bands
- 5. Height can be more than 13 km
- 6. Direction of movement
- Torrential rain, very strong winds and thunder and lightening.

•)Formation

- Tropical Storms start between 5° and 30° north and south of the equator where surface sea temps reach at least 27°C.
- 2. Warm air rises rapidly under low-pressure conditions as it is heated.
- 3. The rising air draws up more airing large volumes of moisture from the ocean, causing strong winds.
- 4. The Coriolis effect causes the air to spin upwards around a calm central eye of the storm.
- 5. Rising air cools and condenses to form large, cumulonimbus clouds which generate torrential rainfall.
- 6. Cool air sinks into the eye, therefore, there is no cloud so it is drier, clear and much calmer.
- 7. The tropical storm travels across the ocean by the prevailing wind.