

- ❖ That is enough to set off a feedback process.
- ❖ When the air is lifted slightly, the water vapour condenses to make clouds. As it condenses, it lets out the latent heat of evaporation.
- ❖ The atmosphere warms, this parcel of air rises, and a positive feedback is set off by this process.

The warmer parcel of air can rise further because it is lighter than the surrounding air, and it can form deeper clouds. Meanwhile, moisture comes in from both sides. This leads to the formation of a cyclone if certain conditions are present.

In the wake of increasing incidences of cyclones, which are fuelled up climate change, India must adopt effective cyclone management strategies to reduce the effects of cyclones.

# 11. Plate Tectonics Theory explains movement of continents differently as compare to the Continental Drift Theory. Plate Tectonic Theory also answer the questions left unanswered by the Drift Theory. Examine.

Continents cover 29 per cent of the surface of the earth and the remainder is under oceanic waters. The positions of the continents and the ocean bodies, as we see them in the map, have not been the same in the past and it is now a well-accepted fact that oceans and continents will not continue to enjoy their present positions in times to come.

## Comparison: Continental Drift and Plate Tectonics

	Continental Drift	Plate Tectonics
Ex-plained by	Put forward by Alfred Wegener in 1920s	In 1967, McKenzie and Parker suggested the theory of plate tectonics. Morgan later outlined the theory in 1968
Theory	Explains the Movement of Continents only	Explains the Movement of Lithospheric plates that include both continents and oceans.
Forces for move-ment	Buoyancy, gravity, pole-fleeing force, tidal currents, tides,	Convection currents in the mantle drag crustal plates
Evi-dence	Apparent affinity of physical features, botanical evidence, fossil evidence, Tillite deposits, placer deposits, rocks of same age across different continents etc	Ocean bottom relief, Paleomagnetic rocks, distribution of earthquakes and volcanoes, gravitational anomalies at trenches, etc.
Draw-backs	Too general with silly and sometimes illogical evidence.	
Accep-tance	Discarded	Most widely accepted