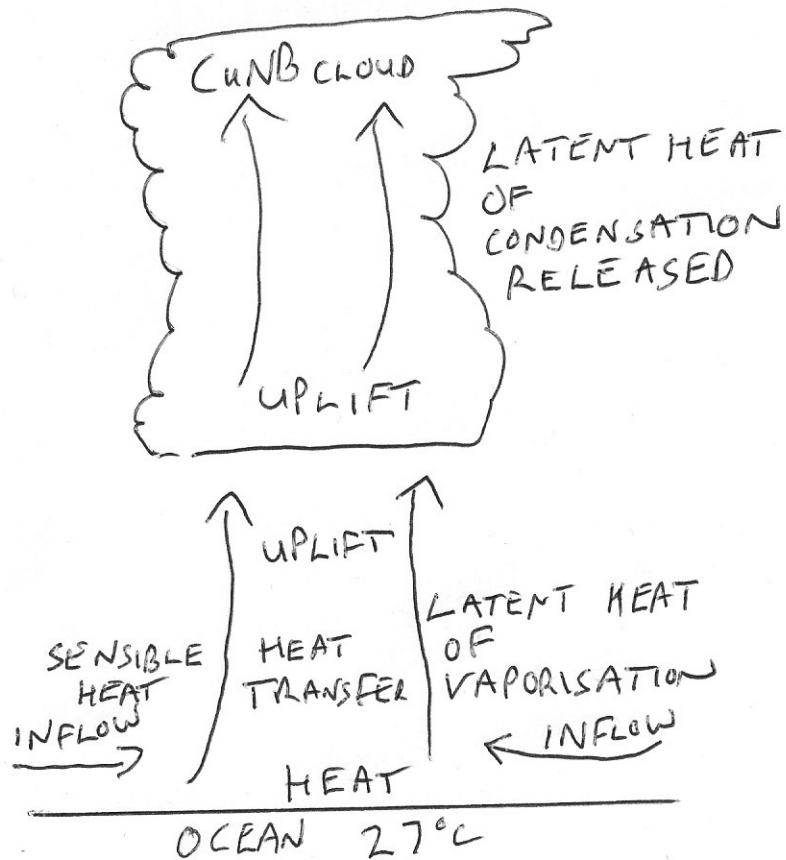
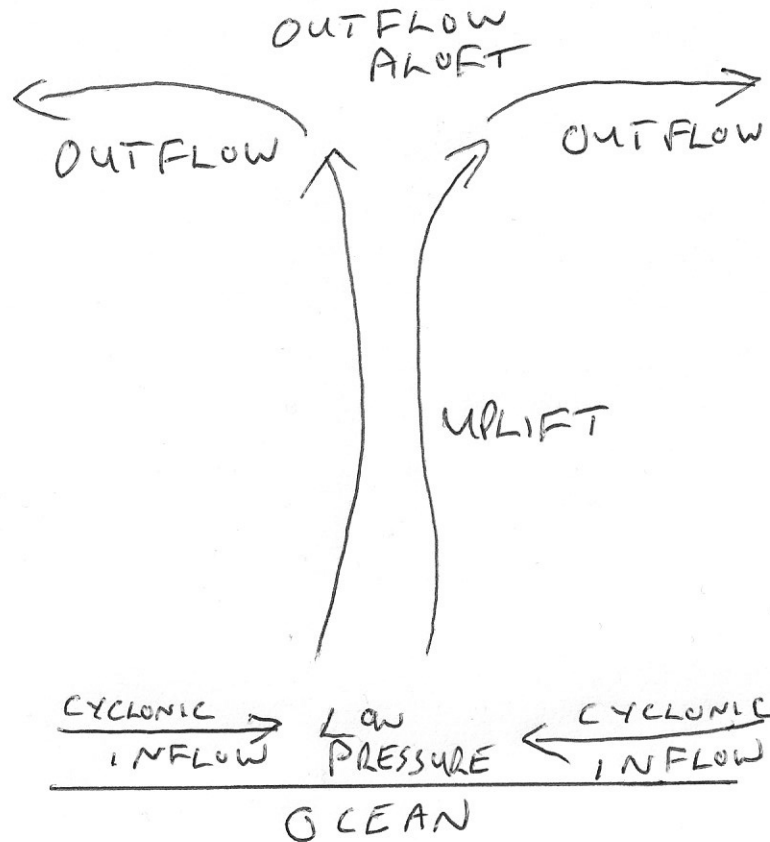


## HOW HEAT FUELS THE CYCLONE



## HOW AIR FLOW FUELS THE CYCLONE



## WHY DO CYCLONES DIE?

When :-

- They move out of the Tropics
- They move over land

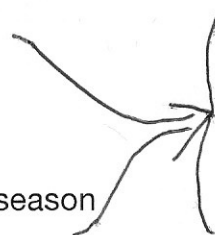
Both a. and b. reduce the heat fuelling the system. Over land there is no input of latent heat, this will cause the low to fill in and the strength of inflowing air to reduce

b. Friction on land decreases the wind speed

b. Reduces the moisture input to the system.

## IMPACT OF GLOBAL WARMING

- higher sea surface temperature
- larger area of ocean above 27 C
- Extension of hurricane / cyclone season



More intense cyclones (more category 5's)  
 More frequent cyclones  
 Form outside the Tropics  
 Cyclone zone extends outside Tropics  
 Cyclones dissipate more slowly

→ lower pressure  
 → higher wind speed  
 → higher rainfall

→ Larger storm surges