

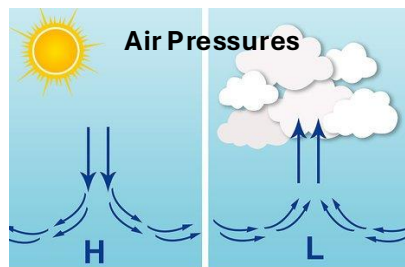


Geography Year 8 Wild Weather

Key term	Definition
Weather	The day-to-day state of the atmosphere.
Climate	The average weather conditions over a period of time, usually 30 years.
Precipitation	Water that falls from the sky in any form
Hurricane	A rotating tropical storm with wind speeds over 74 mph.
Latitude	How far somewhere is from the equator.
Altitude	The height of a place above sea level.
Frontal rainfall	Rainfall caused when warm air is forced to rise over denser cold air.
Convective rainfall	Rainfall caused by the sun heating the ground which leads to rising air.
Relief rainfall	Rainfall caused when warm air is forced to rise over high land.
Depression	Another name for a low pressure weather system. Usually brings wet, windy weather.

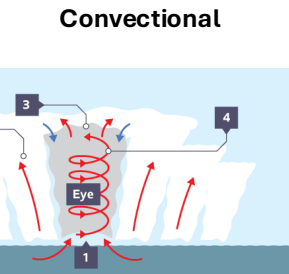
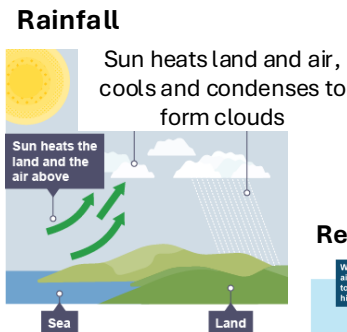
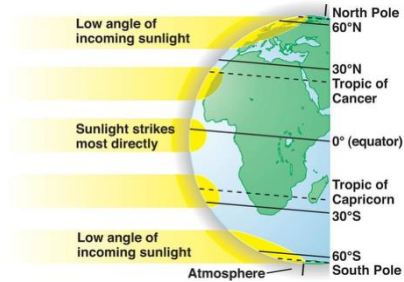
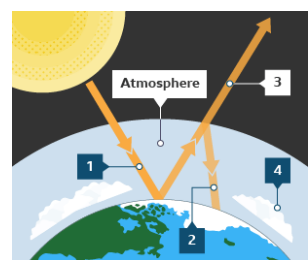
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Revision	Greater Depth
	

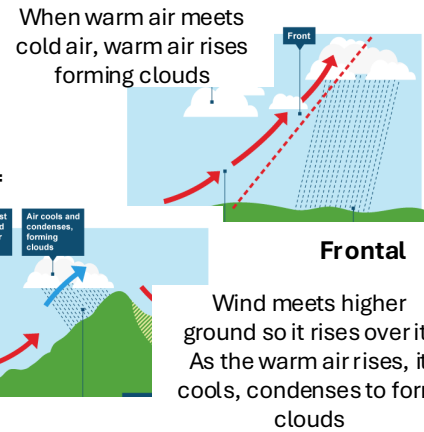
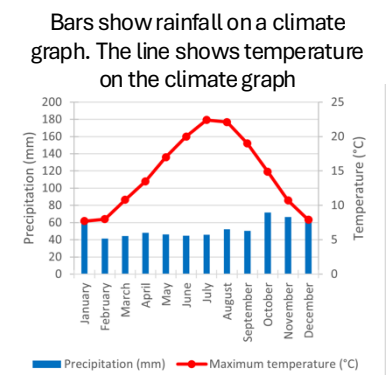


Weather Measurements	
Air pressure	Barometer, mb
Precipitation	Rain gauge, mm
Wind direction	Wind vane, compass directions
Wind speed	Anemometer, mph
Temperature	Thermometer, °C

1. Warm air rises from the ocean, causing strong winds
2. Rising air brings moisture, cooling and condensing to form clouds
3. Cool air sinks, forming a calm center (eye)
4. Storm spins due to Earth's rotation



- Tropical Storms**
- Natural Climate Change**
1. Heat passes through the Earth's atmosphere
 2. Some heat is absorbed by greenhouse gases
 3. Less heat energy escapes back into space
 4. The Earth warms up



Typhoon Haiyan
Philippines
November 7th 2013
6000 deaths
\$3 billion in damage
Wind speeds 195mph



Climate change refers to long-term shifts in temperatures and weather patterns
Causes: burning fossil fuels, cutting down forests and producing food
Impacts: warming oceans, more extreme weather and loss of species