What is the difference between weather and climate?

## Year 7 Topic 5: Weather and climate

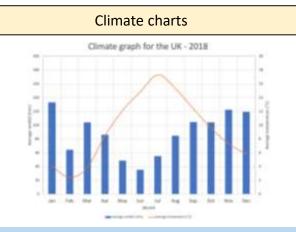
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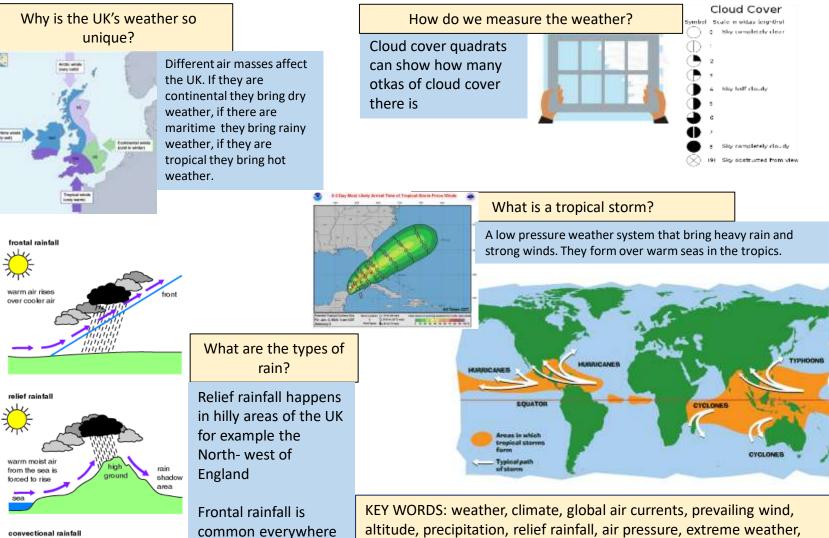
Weather is the day to day differences in temperature and rainfall Climate is what we would expect the temperature and precipitation to be after years of collecting information about it.

## How does rain happen?

Water from the oceans and lakes or sat on the ground is evaporated (liquid – gas) and condensed into clouds. These clouds get heavy and rain, they are absorbed by trees, the soil or put back into rivers. The process continues.



What is the highest temperature on this graph?What is the lowest temperature on this graph?What is the highest precipitation on this graph?What is the lowest precipitation?



Frontal rainfall is common everywhere in the UK due to our location in the global atmospheric circulation model. Challenge – look this up. KEY WORDS: weather, climate, global air currents, prevailing wind, altitude, precipitation, relief rainfall, air pressure, extreme weather, climate change, evaporation, condensation, water cycle, air mass, polar, continental, maritime, tropical, taiga, temperate, grasslands, desert, tundra, latitude, oktas, meteorology, synoptic (chart), precipitation, depression, cold front, warm front, isobars, occluded front