



Geog YOUR memory...



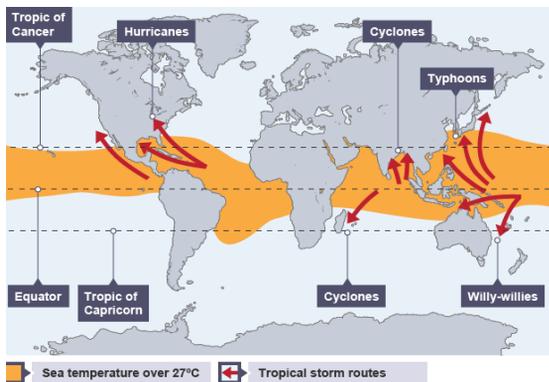
Annotate the diagram to show the features and structure of a tropical storm.



Describe the formation of a tropical storm. Try to use these words: be specific with temperature!

Warm water, warm air rises, condensation, low pressure, surface winds, earth's rotation, spin, cooler air, strong winds, storm surge.

Describe the distribution of tropical storms

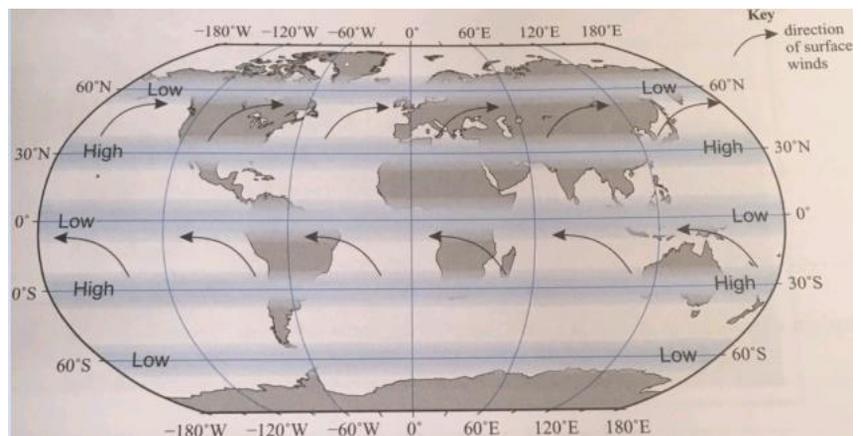


Suggest how the distribution (location) and intensity (strength) of tropical storms could change in the future if global temperatures continue to rise.

Global Atmospheric Circulation

1. Mark on the map the direction of the surface winds between 0° and 30° N.

2. Mark on the map the direction of the surface winds between 60° and 30° S.





Geog your memory...



| | |
|--|---|
| <p>Define these key terms:</p> <p>Primary Impact=</p> <p>Secondary Impact=</p> <p>Eye of the storm=</p> | <p>How can tropical storms be predicted?</p> |
|--|---|

| | |
|---|--|
| <p>How can people protect themselves from tropical storms?</p> | <p>Annotate the satellite image to show the features of a tropical storm. Add details of the weather conditions expected in each area.</p> <div data-bbox="868 962 1159 1147" data-label="Image"></div> |
|---|--|

Case study LIC: Typhoon Haiyan in the Philippines. Date:

| Primary Impacts | Secondary Impacts | Immediate Responses | Long Term Responses |
|-----------------|-------------------|---------------------|---------------------|
| | | | |



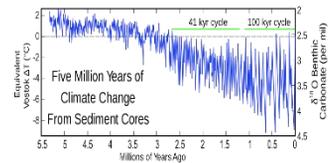
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What is a weather hazard?

Give an example of two weather hazards that affect the UK.

What is meant by the quaternary period?



Colour code the physical and human causes of climate change.

- Orbital changes (the way the earth moves around the sun)
- Solar output (the amount of energy from the sun)
- Burning fossil fuels- releasing CO₂ into the atmosphere.
- Volcanic eruptions can cause short-term changes to climate.
- Deforestation- cutting down trees.
- Agriculture: cattle and rice farming

Add your ideas to the spider diagram



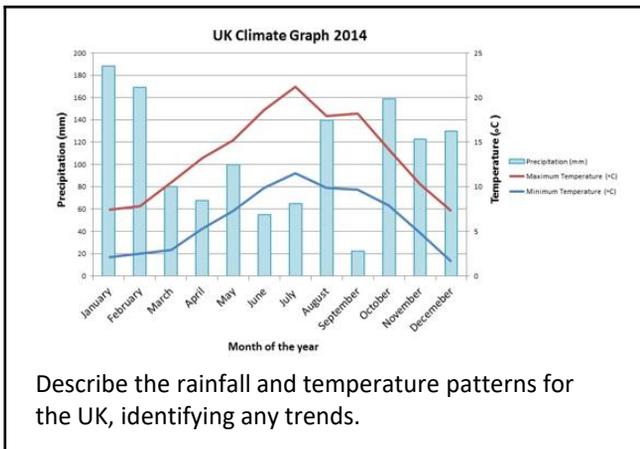
An example of a weather hazard in the UK e.g. Storm Desmond



| Cause | Primary impacts | Secondary impacts | Management strategies used to reduce risk |
|-------|-----------------|-------------------|---|
| | | | |



Geog your memory...



What is the evidence that extreme weather in the UK is becoming more common?

Describe the rainfall and temperature patterns for the UK, identifying any trends.

How can the causes of climate change be **mitigated**?
(Reduced/prevented)

How can we **adapt** to the impacts of climate change?
(Deal with the impacts that are already affecting us)

Match the key term associated with climate change to the correct definition

| Key Term | Definition |
|----------------------------------|--|
| 1. Climate Mitigation | a) The process of capturing waste (CO ₂) from large sources such as fossil fuel power plants, transporting it to a storage site, and depositing it where it will not enter the atmosphere. |
| 2. Alternative Energy Production | b) The effort to reduce or prevent emission of greenhouse gases. It can mean using alternative forms of energy, making older equipment more energy efficient, or changing management practice or consumer behaviour. |
| 3. Carbon Capture | c) Dealing with the impacts of a changing climate. It involves taking practical actions to manage risks from climate impacts, protect communities and strengthen the economy. |
| 4. Adapting to Climate Change | d) Refers to any energy source that is an alternative to fossil fuel. Examples include Hydro electricity, Nuclear energy, Wind energy, Solar energy, Geothermal Energy and Biofuel. |