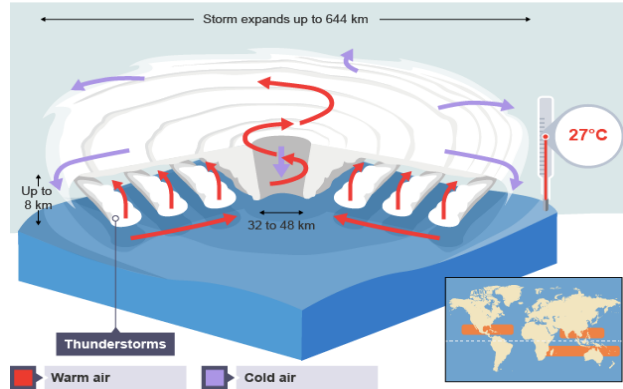




Geography

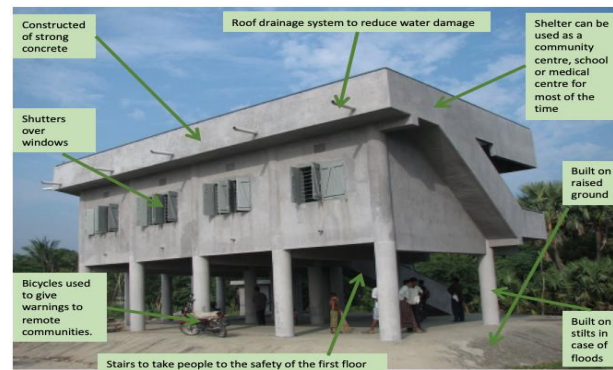
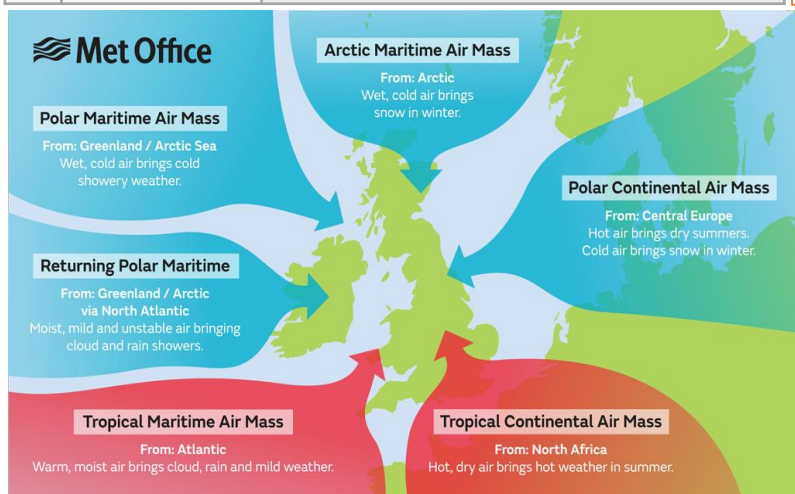
Y8 Autumn 1: Weather and Climate

	Keyword	Meaning
1	Weather	he state of the atmosphere at a particular place and time as regards heat, cloudiness, dryness, sunshine, wind, rain, etc.
2	Climate	Climate is the long-term weather pattern in an area, typically averaged over 30 years.
3	High pressure	High pressure means the air is heavy, and it sinks. Under high pressure you can generally expect sunny skies and calm weather.
4	Low pressure	Low pressure means the air is lighter than the air around it. This means it rises, cools and condenses. You can expect cloud and rain.
5	Tropical storm	A tropical storm is a very powerful low-pressure weather system which results in strong winds (over 120 km/h) and heavy rainfall (up to 250 mm in one day).
6	Air mass	An air mass is a large volume of air in the atmosphere that is mostly the same in temperature and moisture.
7	Extreme weather	Extreme weather is when a weather event is significantly different from the average or usual weather pattern.



Formation of tropical storms

1. Tropical storms form between approximately 5° and 30° latitude.
2. The air above the warm ocean is heated. Once the ocean water reaches at least 27°C, the warm air rises quickly, causing an area of very low pressure.
3. As the air continues to rise quickly it draws more warm moist air up from above the ocean leading to strong winds.
4. The rapidly rising warm air spirals upwards, cools, condenses and large cumulonimbus clouds form.
5. These clouds form the eye wall of the storm and produce heavy rainfall.
6. In the centre of the storm, cold air sinks forming the eye of the storm - here, conditions are calm and dry.



Causes of wildfires

- Lightening
- Farming
- Trains
- Arson
- Campfires



Effects and responses to natural disasters

Primary effects	Secondary effects
Death/ Injuries	Loss of income
Buildings damaged	Schools closed
Water and sewage supplies damaged	Homelessness
Immediate Responses	Long term responses
Search and rescue	Provide jobs
Emergency aid (food/water/shelter)	Rebuilding houses, schools and hospitals
Pop-up hospitals	International loans

