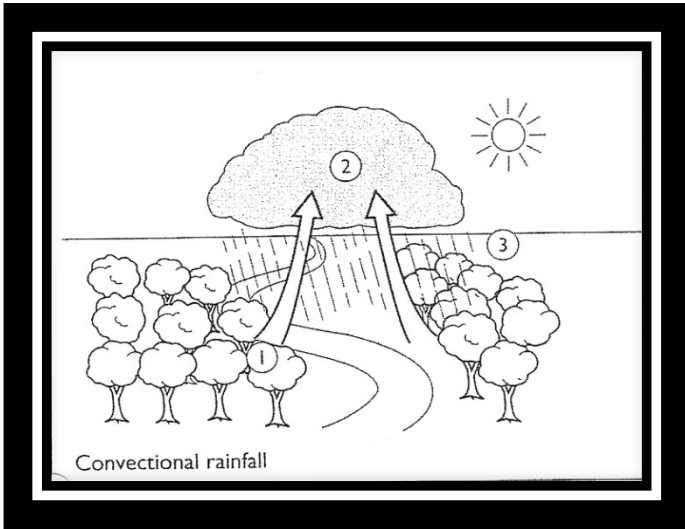
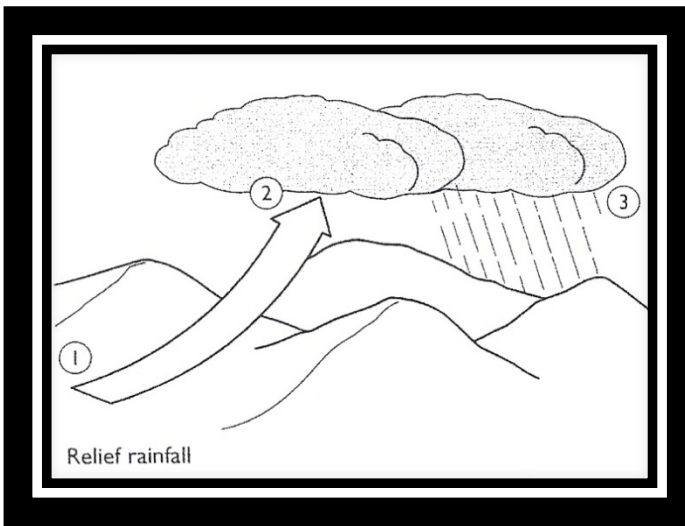
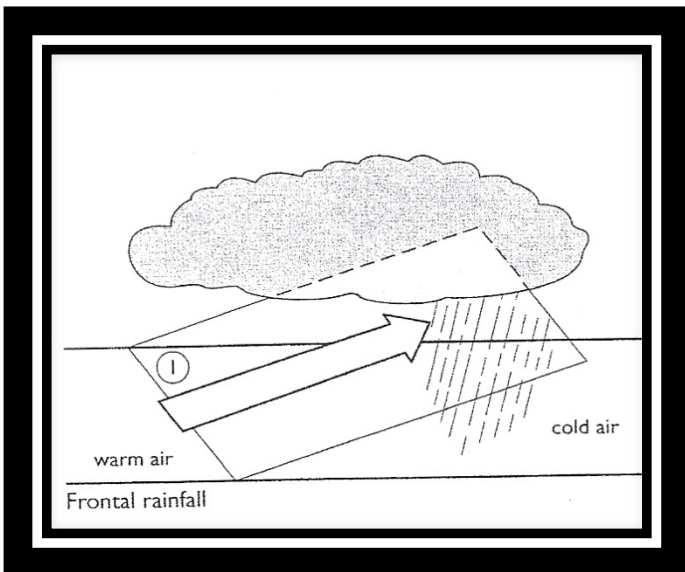


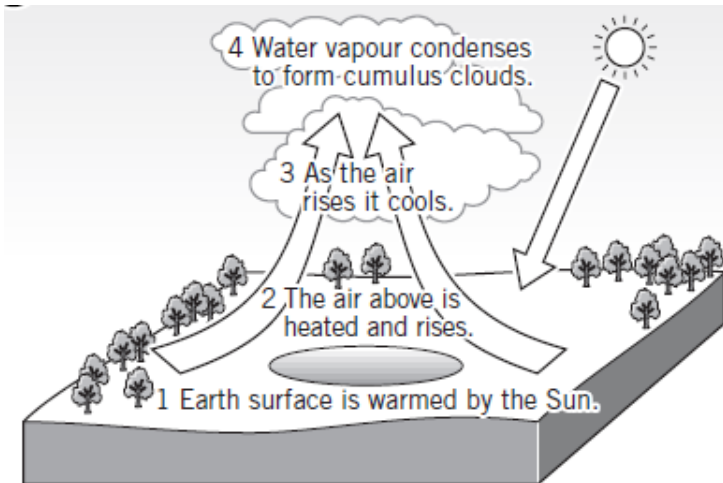
Three Types of Rainfall





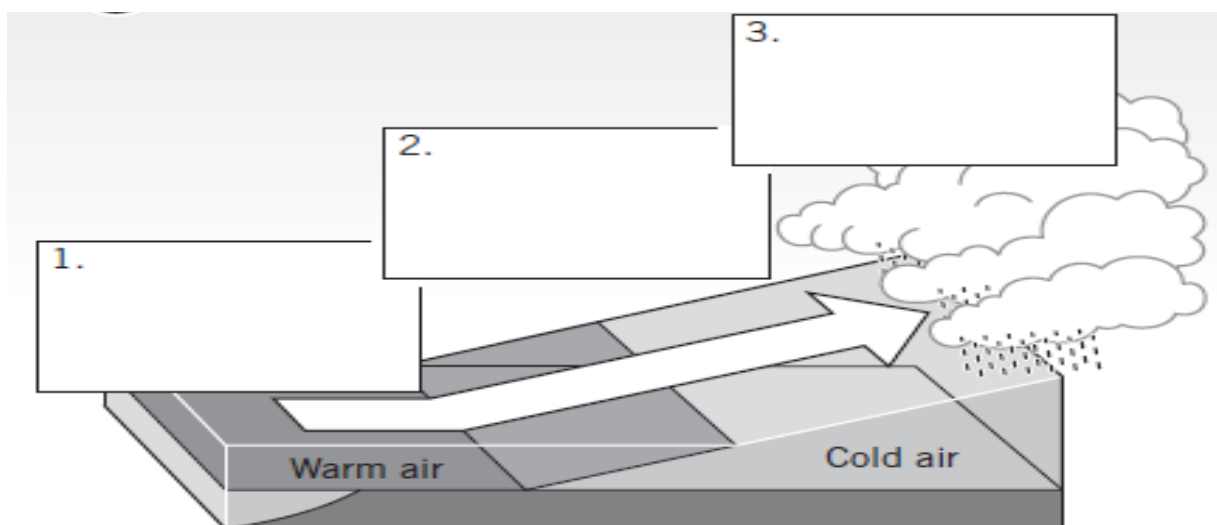
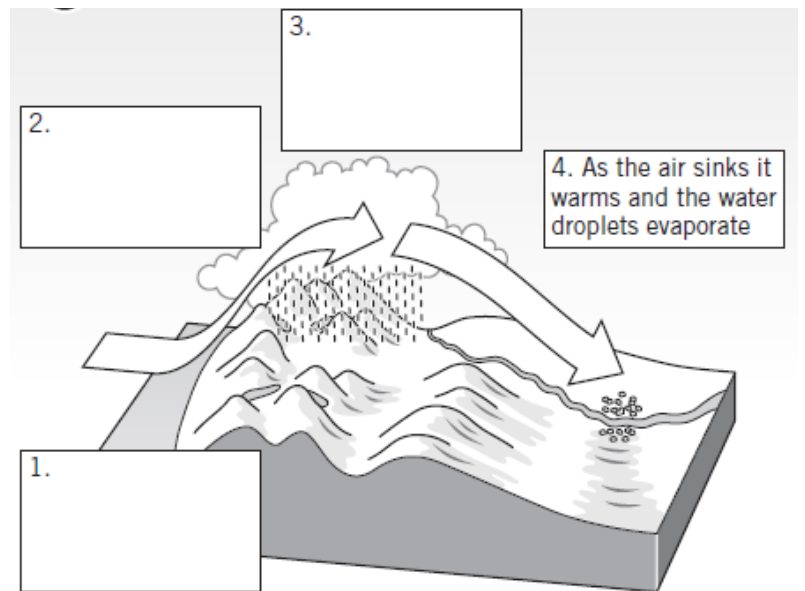


Three Types of Rainfall



Colour the arrows in red and blue to show that as the air rises it cools. Use the colour red to show warm air and blue to show cooler air.

- A** As the air rises it cools, the water vapour it holds condenses to form clouds and relief rainfall occurs.
- B** Moist, warm air blows from the Atlantic Ocean.
- C** The air is forced to rise over the mountains of Western Europe.



1. Colour the cold air in blue and the warm air in red.
2. Use the labels provided for diagrams **A** and **B** to help you write three sentences to explain how frontal rain is formed.

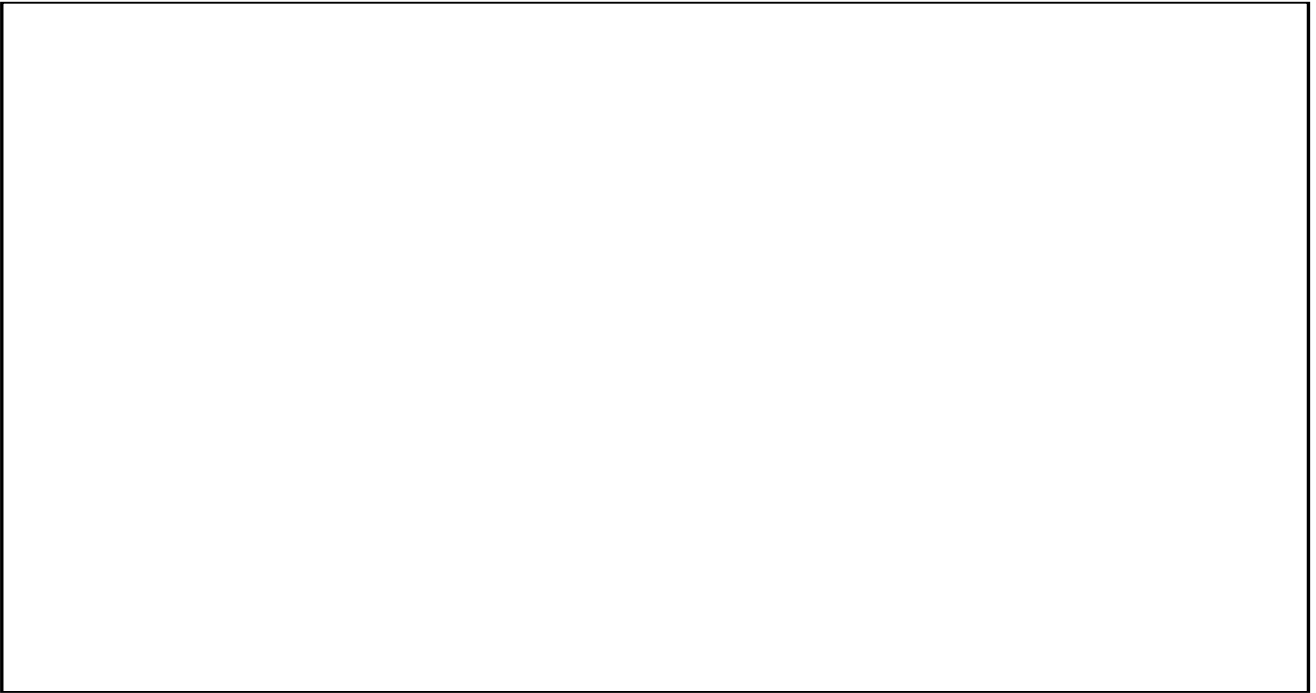
Three Types of Rainfall

As the air rises and cools, water vapour condenses to form clouds and rain.	The sun heats the ground surface, warming the air above it.
Heavy rain showers, and even thunderstorms, can occur. This is common during the summer in Britain when there is more heat from the sun.	Rain falls at the line (or front) where the warm and cold air meet. This is common in Britain, particularly during the winter.
As the air rises and cools, water vapour condenses to form clouds and rain.	Wind, bringing warm moist air from the sea, is forced to rise when it reaches mountains.
Warm and cold air do not easily mix. When a warm air mass meets colder air, the warm air is forced to rise over it.	As the air rises and cools, water vapour condenses to form clouds and rain.
Rain falls on the mountains. This is common in the west of Britain where most high land is.	

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Three Types of Rainfall

Cloud observations



Precipitation, cumulus, cirrus, stratus, fog, humid, fluffy, tall, dark, heavy rainfall, light rainfall, low, high, blankets, drizzle, wispy

Rainfall experiment

