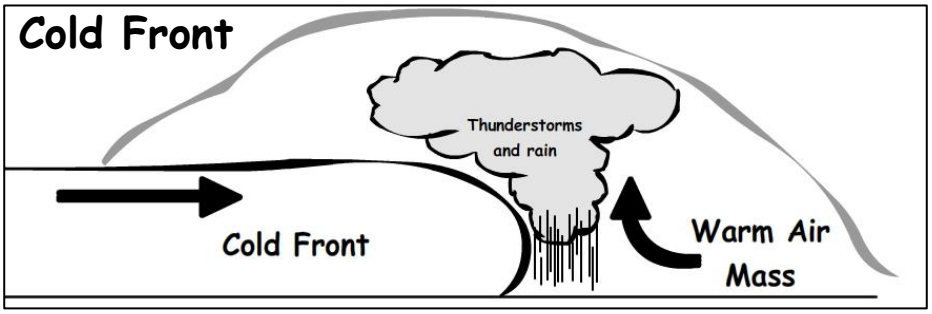
Weather Fronts: Introduction

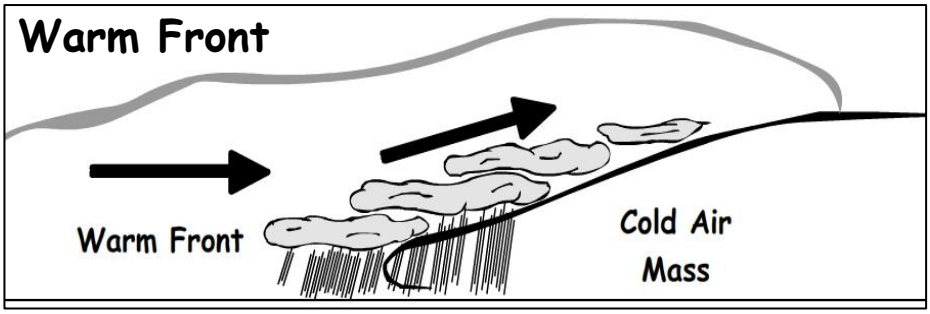
Name_____

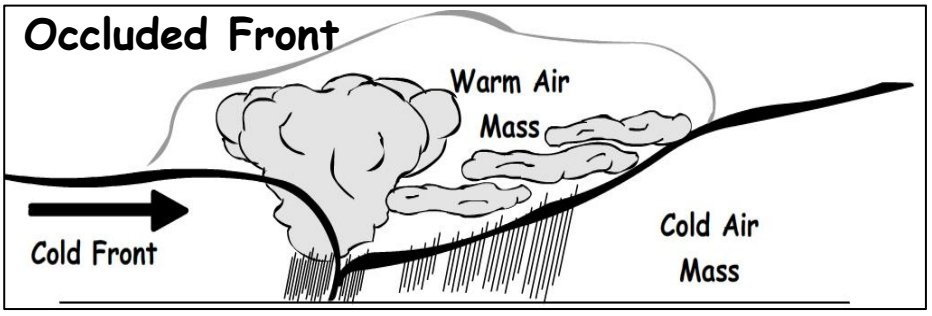
Instructions: Read through the Weather Front descriptions.
Then complete the "What Type" questions at bottom of page.



A **Cold Front** moves faster than a warm air mass. The warm humid air is pushed up and results in a short period of heavy rain and possibly violent thunderstorms.

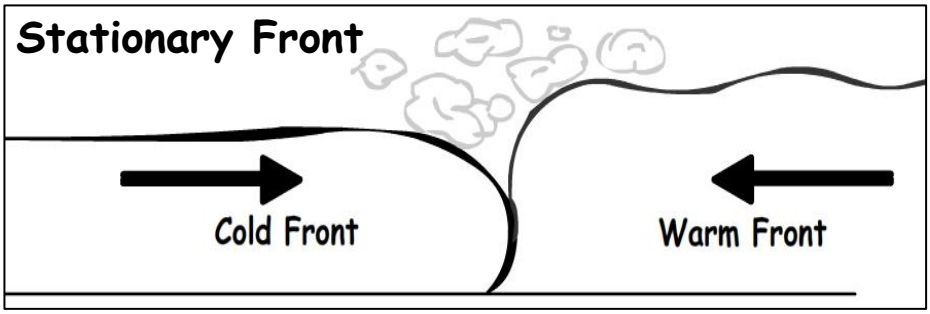
A **Warm Front** moves slower than a cold air mass. The warm raises steadily above the cooler air mass and causes gentle rain showers for longer periods of time.





An **Occluded Front** is a combination of two fronts that form when a cold front catches up and overtakes a warm front. The result is a mix of rain showers and thunderstorms.

A **Stationary Front** is the boundary between two air masses when neither is moving. Clear skies to partly cloudy skies may result, with occasional light rain.



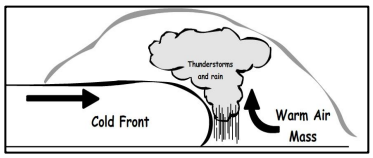
What Type? **Cold Front** **Warm Front** **Occluded Front** **Stationary Front**

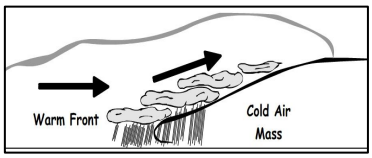
1- What type of front produces gentle rain showers? _____
2- What type of front involves 3 different air masses? _____
3- What type of front may have clear skies? _____
4- What type of front creates violent thunderstorms? _____
5- What type of front is stalled or still? _____
6- What type of front has rain showers and thunderstorms? _____

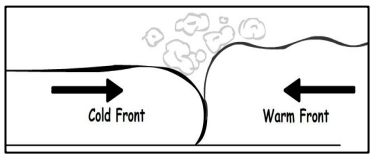
Weather Fronts: Investigation

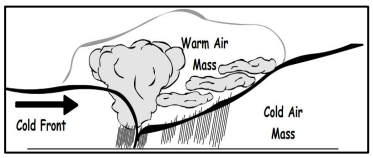
Name_____

Instructions: Use the word bank to fill in the blanks in the weather front paragraph.









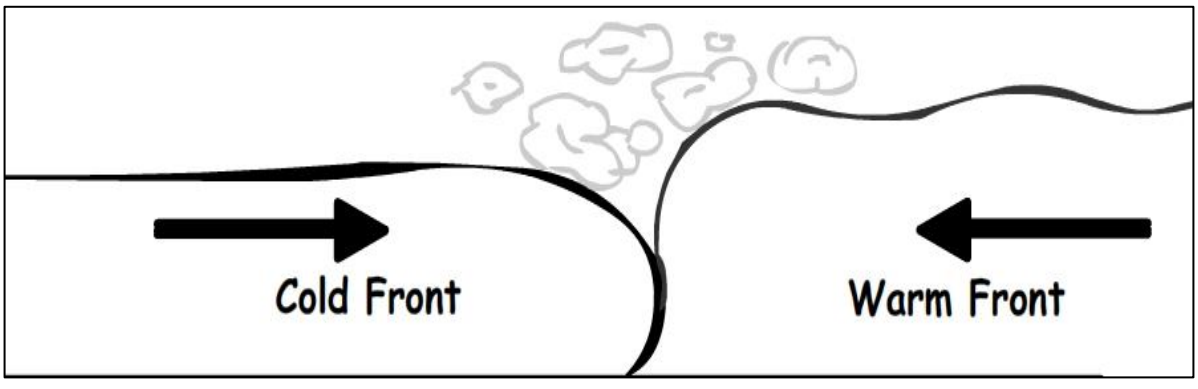
- Word Bank -

above change masses boundary two direction
period cloudy thunderstorms cold
overtakes temperature

Weather Fronts mark the _____between two air masses. The air masses can have large _____differences on either side of the front. When a weather front passes, there is often a _____in wind _____as well as changes in temperature. **Cold Fronts** occur when a colder air mass _____a warmer air mass. This can create a short _____of heavy rain and strong_____. **Warm Fronts** move slower than cold air_____. A warm front will steadily rise _____the cooler air and create gentle rain showers. An **Occluded Front** is formed when a _____front catches and overtakes a warm front. A mix of rain and thunderstorms can occur as a result. A **Stationary Front** is the boundary between _____air masses that are not moving. Clear skies or partly _____skies may occur, with occasional light rain.

Instructions: Color the Warm Air RED and the Cold Air BlUE. Then label the diagram with the correct weather front name.

_____



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MASTER KEY

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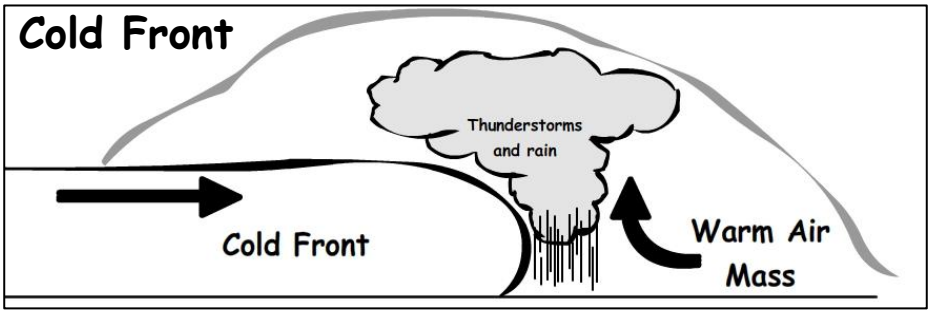

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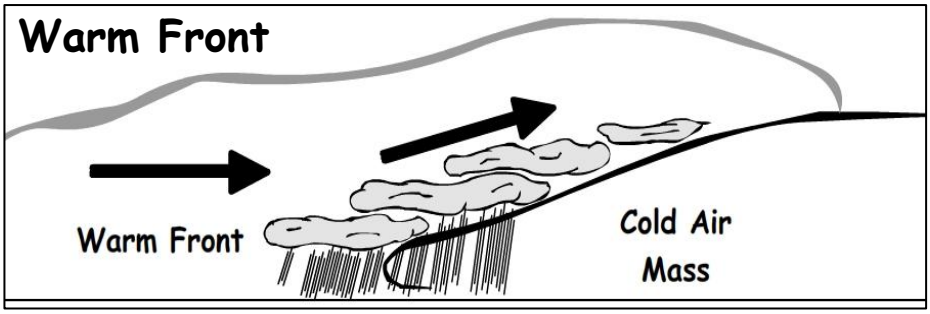

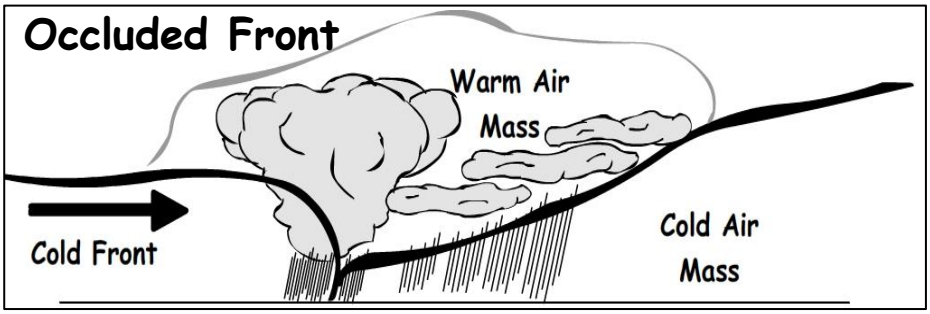

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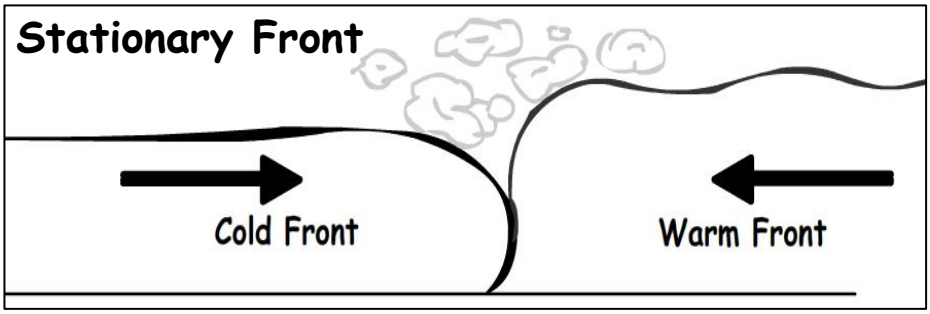

What Type? **Cold Front** **Warm Front** **Occluded Front**

1- What type of front produces gentle rain showers? WARM FRONT
2- What type of front involves 3 different air masses? OCCLUDED FRONT
3- What type of front may have clear skies? STATIONARY FRONT
4- What type of front creates violent thunderstorms? COLD FRONT
5- What type of front is stalled or still? STATIONARY FRONT
6- What type of front has rain showers and thunderstorms? OCCLUDED FRONT

Weather Fronts: Investigation

MASTER KEY

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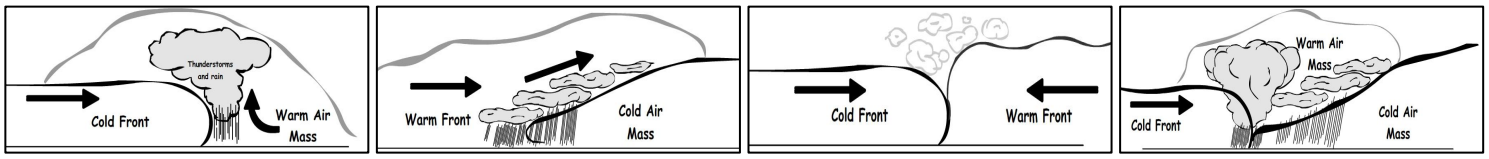

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Stationary Front