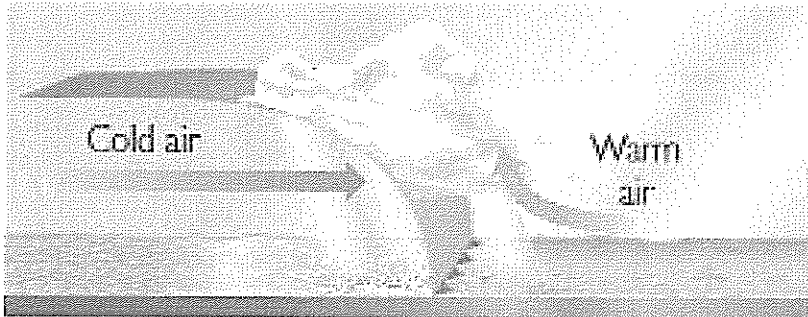


# Air Fronts Worksheet

CODEWORD: \_\_\_\_\_  
*\*\*You MUST watch and listen to the entire video to get the code word*

1. Examine the following diagram and answer the following questions.



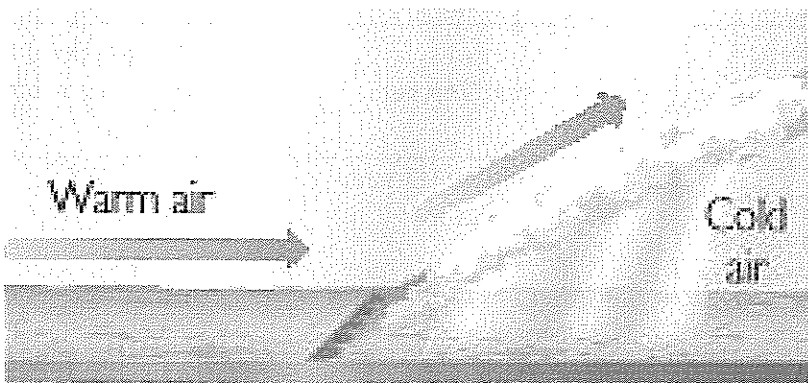
What type of front is illustrated?

How did you identify this front?

2. Explain why warm air is pushed up by the cold front.

3. Where are clouds formed when there is a cold front?

4. Examine the following diagram and answer the following questions.



What type of front is illustrated?

How did you identify this front?

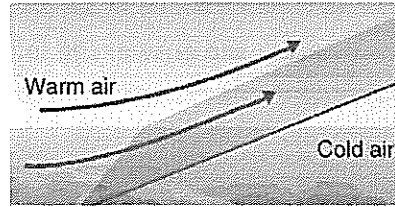
5. What happens to the warm air when it overtakes the cold air?

6. Where do clouds form when there is a warm front?

# AIR FRONT NOTES

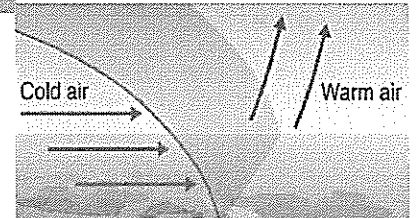
What is it called when 2 air masses meet?

- Front



What happens at a front?

- Weather Changes
- Clouds and precipitation are often formed



What are the three different types of fronts?

- Cold Front
- Warm Front
- Stationary Front

	Cold Front	Warm Front	Stationary Front
<b>Description</b> <small>(State what type of air mass meets the other type of air mass)</small>	<ul style="list-style-type: none"> <li>• Mass of cold, dense air moves in</li> <li>• Warmer air ahead of it is pushed upward (its less dense) and condenses forming precipitation</li> </ul>	<ul style="list-style-type: none"> <li>• Mass of warm air moves in</li> <li>• Warm air moves above/on top the cold air (it's less dense)</li> <li>• Moisture in the warm air condenses, producing cloud-covered skies.</li> </ul>	<ul style="list-style-type: none"> <li>• Occurs when air masses meet and stop moving.</li> <li>• The air can still move sideways</li> <li>• Whatever front advances first decides which it will be</li> </ul>
<b>Weather that occurs at the boundary</b>	Heavy Storms	Hours of rain or snow	X
<b>What type of cloud do you find at the front?</b>	Cumulonimbus	Cirrus and Stratus	Cirrus and Stratus
<b>Weather you will find after</b>	Cool and Clear Skies	Warmer Weather	Either the weather of a warm front or a cold front
<b>Ways to identify that the front is occurring</b>	<ul style="list-style-type: none"> <li>• Heavy Storms Occur</li> <li>• Temperature Drops</li> <li>• Barometric Pressure Drops</li> </ul>	<ul style="list-style-type: none"> <li>• Steady Rain Occurs</li> <li>• Temperature Increases</li> <li>• Barometric Pressure Drops</li> </ul>	X
<b>Picture</b>	<p>A diagram of a cold front showing cold air pushing under warm air, forcing it up.</p>	<p>A diagram of a warm front showing warm air pushing over cold air.</p>	<p>A diagram of a stationary front showing cold and warm air masses meeting but not moving past each other, with clouds and precipitation along the boundary.</p>