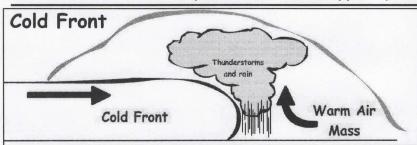
## Weather Fronts: Introduction

Name

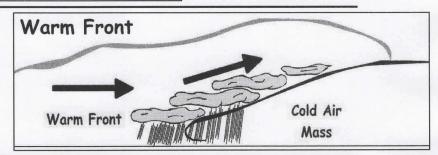
Instructions: Read through the Weather Front descriptions.

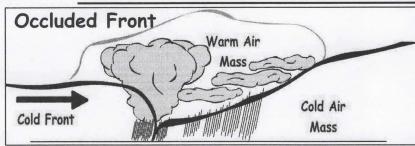
Then complete the "What Type" questions at bottom of page.



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.

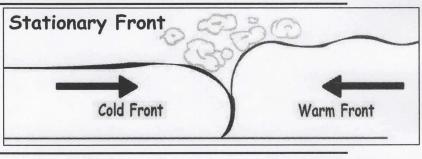
A **Warm Front** moves slower than a cold air mass. The warm raises steadily above the cooler air mass and causes gentle rain showers for longer periods of time.





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

overtakes

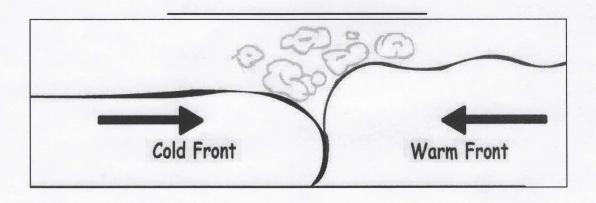
with the correct weather front name.

Name

temperature

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





#### **High and Low Pressure:**

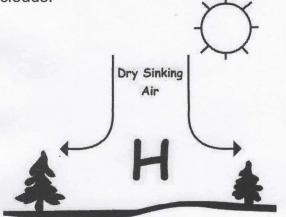
Introduction

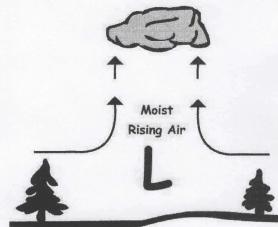
Name\_\_\_\_

Instructions: Read through the information below.

Then complete the High / Low statements at bottom of page.

Weather can vary day to day and place to place. One of the many factors of our daily weather is *Air Pressure*. **Highs** and **Lows** are areas where the air pressure is higher or lower than surrounding areas. Weather maps show these areas using a large "H" to represent High pressure and a large "L" to represent Low pressure. As these Highs and Lows travel across the country, they bring changes in weather. Generally High pressure areas bring fair weather with clear skies, while Low pressure brings stormy weather and clouds.





Each type of pressure has its own characteristics. High pressure systems rotate clockwise and contain sinking dry air. Low pressure systems rotate counterclockwise and contain moist rising air.

Circle the correct choice for each statement as High or Low:

1- This type of air pressure is sinking.	High	or	Low	
2- This type of air pressure causes rain and clouds.	High	or	Low	
3- This type of air pressure is rising.	High	or	Low	
4- This type of air pressure rotates clockwise.	High	or	Low	
5- This type of air pressure means sunny skies.	High	or	Low	
6- This type of air pressure rotates counterclockwise.	High	or	Low	
7- This type of air pressure is represented by an "H".	High	or	Low	
8- This type of air pressure contains dry air.	High	or	Low	

## **High and Low Pressure:**

Name

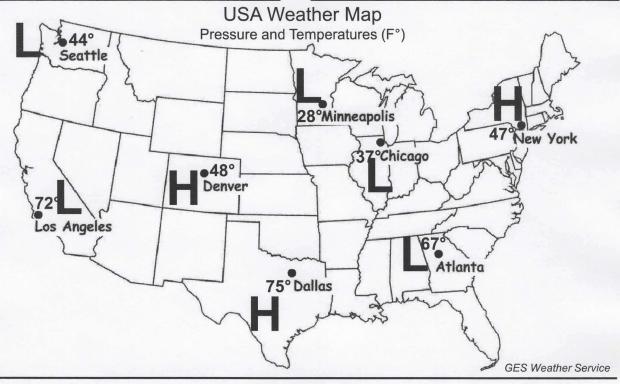
Weather Map

Instructions: Look at the USA weather map below.

Then complete the weather forecast for the chosen cities.

High pressure, "H" usually means clear skies and nice sunny weather.

Low pressure, "L" usually means cloudy skies, rain, and snow if temperatures are cold enough.



USA City Forecast – Select the best weather forecast for each city by circling your choice.

City	Forecast 1	Forecast 2	Forecast 3
Dallas	Sunny Skies	Rain Showers	Snow Flurries
Seattle	Sunny Skies	Rain Showers	Snow Flurries
Minneapolis	Sunny Skies	Rain Showers	Snow Flurries
Atlanta	Sunny Skies	Rain Showers	Snow Flurries
Denver	Sunny Skies	Rain Showers	Snow Flurries
New York	Sunny Skies	Rain Showers	Snow Flurries
Chicago	Sunny Skies	Rain Showers	Snow Flurries
Los Angeles	Sunny Skies	Rain Showers	Snow Flurries

# Air Pressure & Fronts Practice

Name:	Date:
1101110.	Daic

#### Part I - Map Symbols

Directions: Label the different symbols with the correct name.

cold front	cold front stationary fro		warm front	low pressure	high pressure
	1	2.	H	3.	
4.		5.	1		

#### Part II - Matching

**Directions:** Use the word bank from part one to match the names to the definitions. Some words may be used more than once.

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