

AIR MASS & FRONTS

Earth Science

NAME: _____

DATE: _____ HR: _____

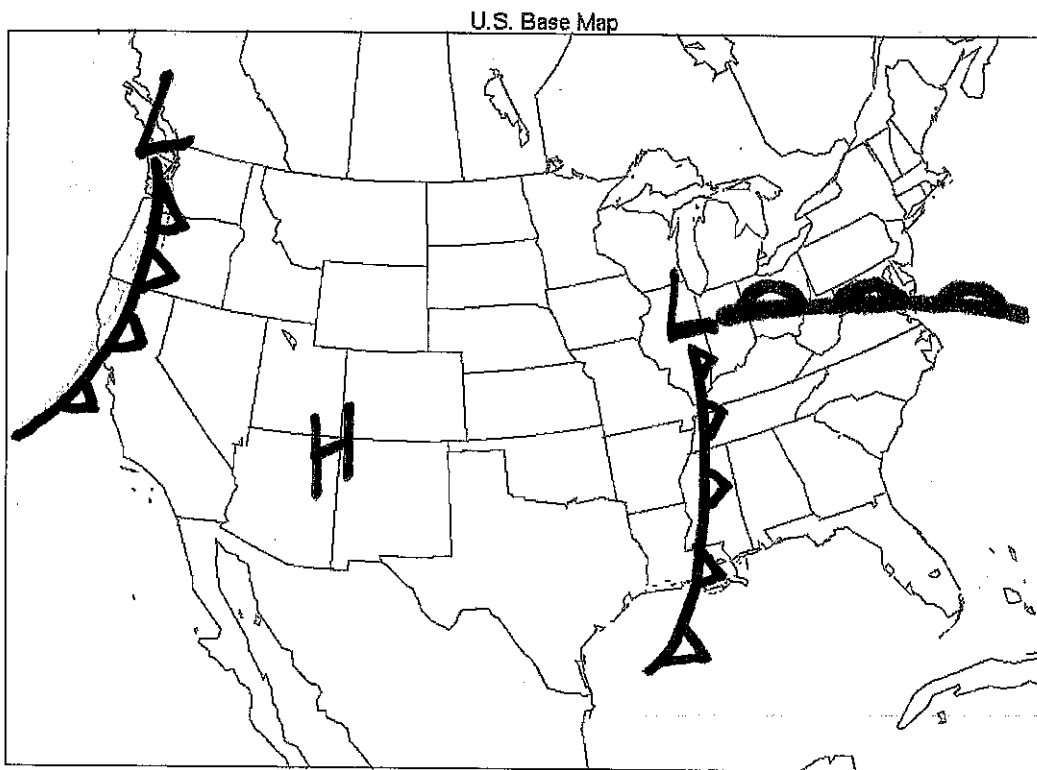
1. Which air mass(es) will dominate weather in the following cities?

*** USE THE REFERENCE MAP IF YOU NEED HELP LOCATING CITIES ***

City	Dominant Air Mass (mP, mT, cP, cT)
Detroit, Michigan	
Baton Rouge, Louisiana	
San Antonio, Texas	
El Paso, Texas	
Seattle, Washington	
Orlando, Florida	
Las Vegas, Nevada	
Bismarck, North Dakota	
Tulsa, Oklahoma	
Phoenix, Arizona	
St. Louis, Missouri	

Study the map below

2. Draw arrows to show the directions that each front is moving.



3. First, name the type of front currently influencing weather in each state. SECOND, as the front moves east, predict the temperatures change over the next 24 hours:

- Idaho: _____ temperatures will _____
- Pennsylvania: _____ temperatures will _____
- Alabama: _____ temperatures will _____
- Arkansas: _____ temperatures will _____

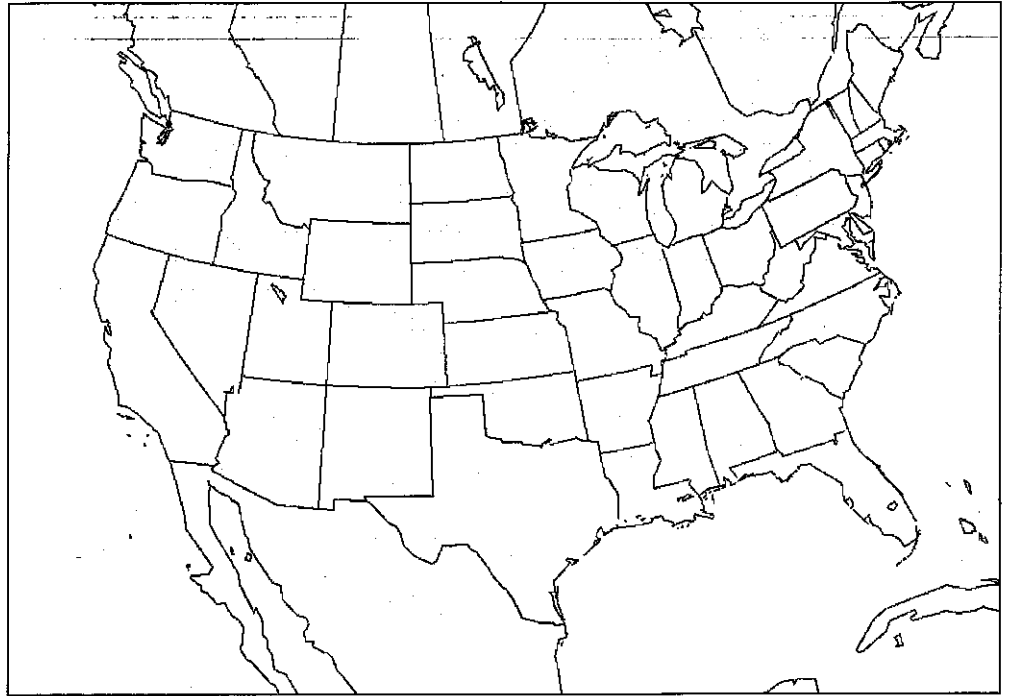
Weather Forecasting

Earth Science

7.02 FRONTS

(p. 502-503)

Describe a **frontal boundary** ("front"):



Describe the temperatures ahead or and behind the following **fronts**.

↗ Stationary Front

↗ Warm Front

↗ Cold Front

Diagram (*side view*) the cloud types associated fronts.

COLD FRONT

WARM FRONT



Explain how an **occluded front** develops and how to recognize it on a weather map.

Chapter 25 Notes

Earth Science

NAME _____

DATE _____ HR _____

7.03 PRESSURE & WIND (p. 469-471)

Describe how wind develops

1 → 2 → 3 → 4

Coriolis Force causes...

resulting in...

- **Trade Winds:**

- **Westerlies:**

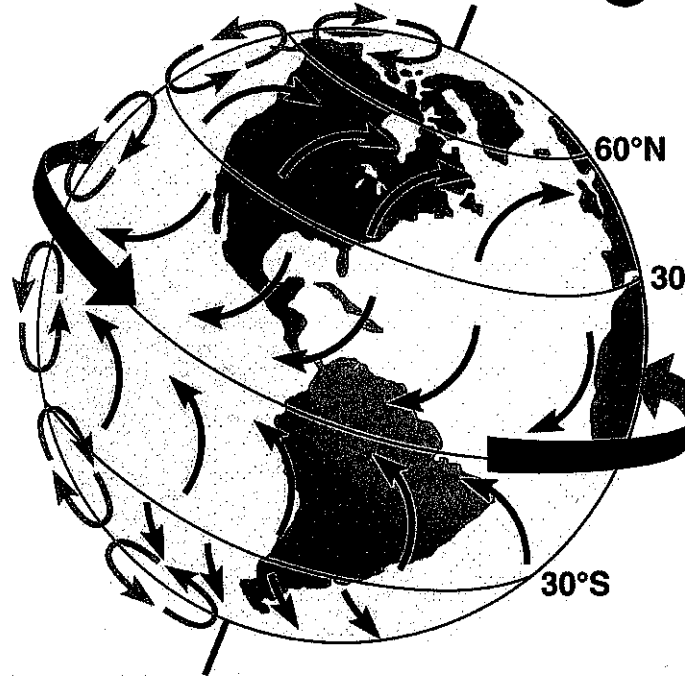


DIAGRAM and describe characteristics of **HIGH** and **LOW PRESSURE** systems.

