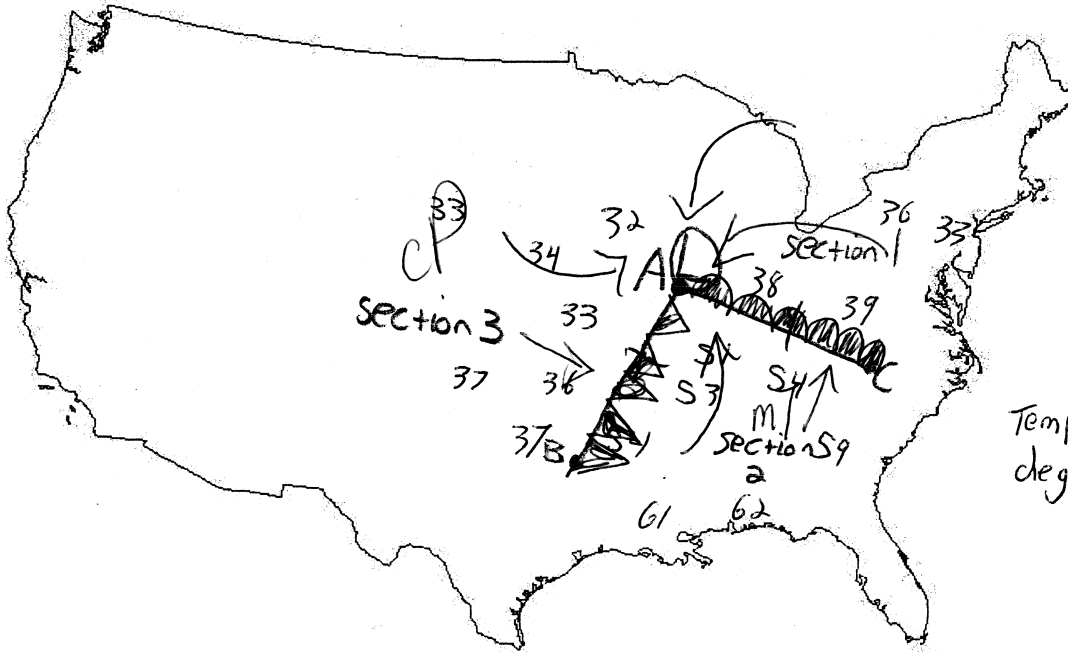


①

Key



Temperatures are in degrees F°

1. Draw the correct weather map symbols for the two different fronts located on lines AB and AC. The symbols must show the correct direction of movement.

A-B = Cold Front B leaves Cold Temp. behind
 AC = Warm Front leaves Warm Temp. behind

2. In each of the three map sections, draw three large curved arrows to represent the general movement of the surface winds around the Low pressure system

3. What type of air mass is located in section 3? Where did it originate from?

CP Central Canada

4. What type of air mass is located in section 2? Where did it originate from?

mT Gulf of Mexico

5. Describe the weather at location X

Heavy precipitation, thunderstorms, hail

6. Describe the weather at location X 12 hours from now as the front passes over

cold - dry - HIGHER Pressure

CP = (H) Short time

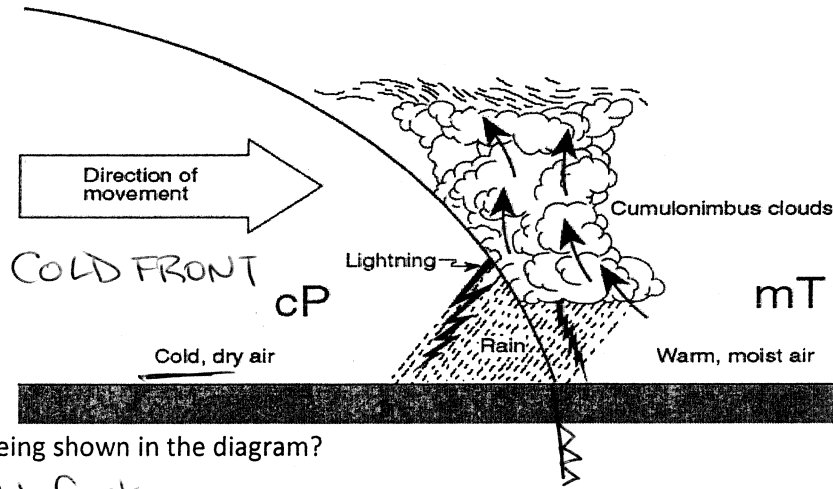
7. Describe the weather at location Y

rain, clouds, precipitation is Slow & Steady. Long time

mT = (L)

8. Describe the weather at location Y 12 hours from now as the front passes over

warmer, wetter, Lower Pressure



1. Which front is being shown in the diagram?

cold front

2. Where did the cp airmass originate from?

Northern Canada

3. Where did the mt airmass originate from?

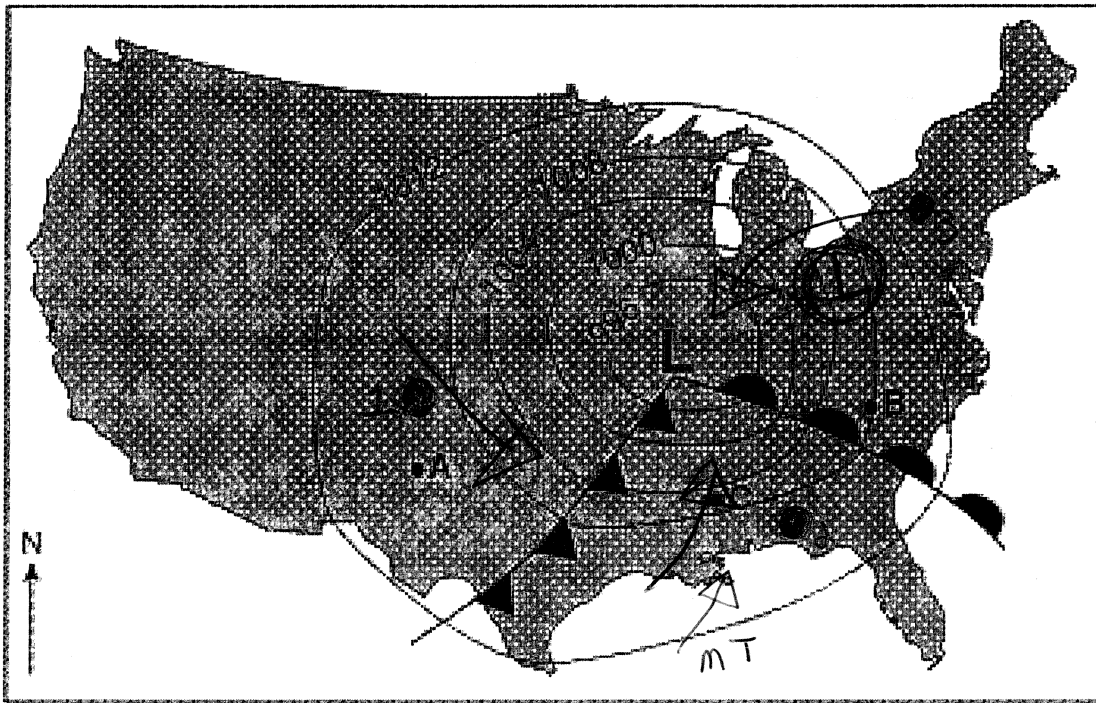
Gulf of Mexico

4. Why does the warm air rise along the frontal boundary?

less dense warm air rises up over the cold air

5. Explain the type of precipitation along this frontal boundary.

Fast, short, severe thunderstorms + precipitation



1. Draw in the correct wind direction for station models 1,2 and 3

2. Draw a large L on the map representing where you think the L will be located in 24 hours

3. Explain why location C is warmer and has more moisture than location A?

a warm front
just passed over C,
bringing warm, moist air.

A is behind a
Cold front, in
cold, dry cP air.