Fronts Notes

Air mass review

1. An air mass is a large area (blob) of air that has the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ weather, temperature and humidity.
2. Air masses are named for where they come \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Weather \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when the air masses meet.
4. Air masses are named for where they are created:
   1. Maritime air masses occur over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they are \_\_\_\_\_\_\_\_
   2. Continental air masses occur over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they are \_\_\_\_\_\_
   3. Polar air masses occur over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they are \_\_\_\_\_\_
   4. Tropical air masses occur over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they are \_\_\_\_\_\_

Fronts

1. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between two air masses
2. Bring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the weather
3. In the United states weather changes from \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_
4. Are named for the air that they are bringing in - so a warm front brings in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ air.

Types of Fronts

1. Cold Front
   1. Occur when a cold air mass is moving \_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the warm front that is in an area.
   2. It’s a cold front when the cold side is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the warm air mass away.
   3. The warm air mass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_moves up.
   4. Cold fronts are marked by \_\_\_\_\_\_\_\_\_\_ lines with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on it. (draw one here)
   5. Cold fronts are the only ones that can bring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ thunderstorms and even \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. Cold fronts bring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ clouds.
   7. Once the storms end the weather will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Warm Front
   1. Bring drizzly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ but when the weather is done the weather will turn \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Draw a warm front line
   3. All types of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ form over a warm front.
3. Occluded Front
   1. Happens when \_\_\_\_\_\_\_\_\_\_\_\_\_ cold air masses are driven into an area and they \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the warm air mass up.
   2. Can bring large amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because it precipitates over a long front line
   3. Both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and stratus clouds form over an occluded front.
4. Stationary Front
   1. A stationary front \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. It can bring several \_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_ weather
   3. Stationary Front clouds are usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the four fronts and describe them

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