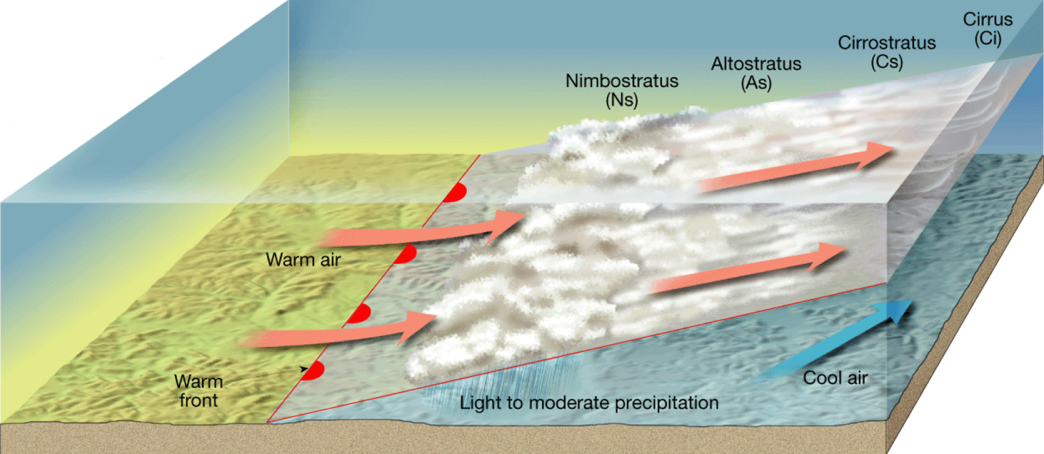
**Notes: Fronts and Weather**

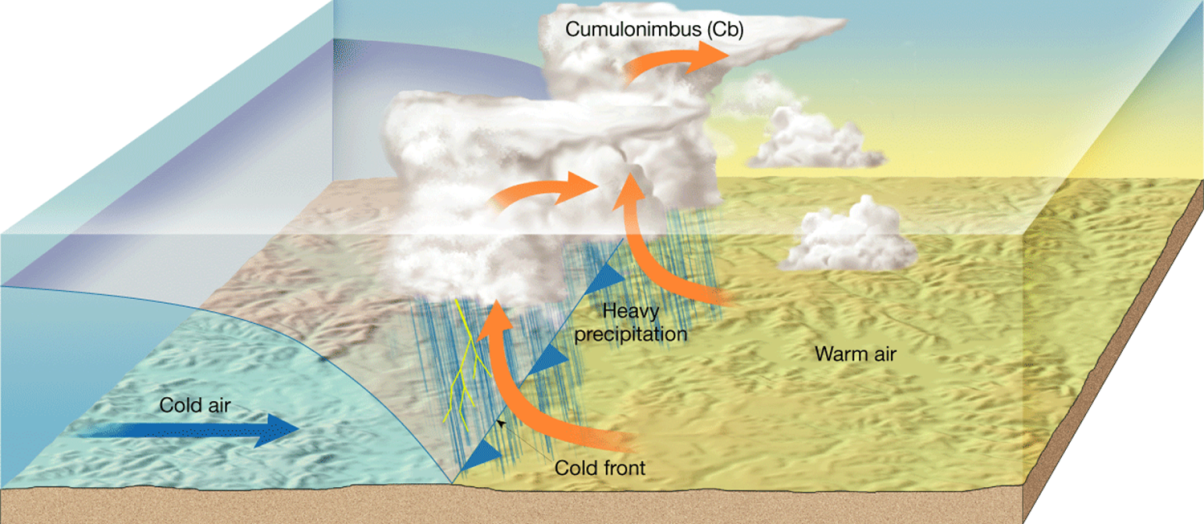
* **Air Masses and Weather**
  + Weather patterns result from the movement of large bodies of air called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + **Air masses are characterized by similar \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_at certain altitudes.**
  + When air masses move, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the air mass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the areas over which they move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Example of air mass/weather interaction:
    - A cold, dry air mass moves over warm, tropical waters
    - The air mass becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - The weather over those waters becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You try….

* A warm, dry air mass moves over a cold, wet area
* The air mass becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The weather over that area becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* **When air masses meet…..Fronts** 
  + When two air masses \_\_\_\_\_\_\_\_\_\_\_, they form a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_--the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_that separates the two
  + There are four different types of fronts
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fronts
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fronts
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fronts
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fronts
* **Fronts**

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* + Warm fronts
    - Form when \_\_\_\_\_\_\_\_\_\_\_\_\_ air moves into an area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ covered by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Shown on a weather map by a \_\_\_\_\_\_\_\_\_\_\_ line with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pointing toward the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
    - As the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ air rises, it cools
    - This produces clouds and frequent precipitation
      * Warm fronts move \_\_\_\_\_\_\_\_\_\_\_\_, so the precipitation is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ over a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ period of time



* + Cold Fronts
    - Form when \_\_\_\_\_\_\_\_\_\_, dense air moves into an area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occupied by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
    - Shown on a weather map by a \_\_\_\_\_\_\_\_\_\_\_\_ line with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pointing toward the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ air.
    - Draw a picture:
    - Move much \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than warm fronts
    - Associated with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Stationary Fronts
    - Form when the flow of air is neither toward the cold air mass, nor toward the warm air mass
    - The front \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Shown by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on one side and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the other.
    - Draw a picture:
    - Gentle to moderate precipitation
  + Occluded Fronts
* Forms when a cold front \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a warm front
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ weather patterns