JOW PRESSURE SYSTEM

o Polar – over CO/ d areas Maritime over water.	• Air masses are identified by the <u>temperature</u> d the <u>Mark</u>	temperature, humidity, winds, and air pressure.	C. Hir Masses are large regions of air with fairly uniform ch
me over water. Wet	Thread the Maisture content:	, ,	of air with fairly uniform characteristi

The boundaries between air masses are called  $\pm ranta$ Arctic – over very #1919 Areas Tropical – over Manareas = dry and warm  $\angle$ = moist and cold Continental – over land, \_ \_ = dry and frigid \_= dry and cold 3 boundaries (#/ants) 1 = moist and frigid = moist and warm

## D. Weather Fronts

Are masses are moved by **Dianetary** 

- There are usually several different air masses moving across the United States
- When different air masses meet, very little MIXING of air takes place and a sharp transition zone (weather front) forms between them
- When the different air masses meet there is a rapid change and the weather is unsettled and
- There are four main types of frontal boundaries
- The cold air is Mole dense and stays near the ground as it pushes up the occur when cold air moves in on warmer air
- warmer air in its way
- irm Fronts vapor and heavy The warmer air that is a vien a warm air mass runs into a cold air mass p cools. It can no longer hold as much water
- r warm cold air mass when neither move ationary vapor and heavy precipitation The warmer air is, ocur along the boundary between a warm air mass and a It can no longer hold as much water
- gir will eventually move on top of the cold and there will be Hantscur when a cold air mass runs into another cold air mass for days until a new front moves in

warm on top. on bottom Since cold air pages are more C (a warm air mass might be stuck between them). **Ense**thertravel faster