**Obj:** Describe the different types of air masses and where they originate from.

**Air Mass:** A large body of air with similar temperature and moisture characteristics. Air masses are named based on their source region, where they form.

<table>
<thead>
<tr>
<th>Type of Air Mass</th>
<th>Origin (land) or Maritime (water)</th>
<th>Temperature (Cold or Warm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>mT</td>
<td>maritime (water) = Ocean</td>
<td>Tropical = warm / Gulf of Mexico</td>
</tr>
<tr>
<td>mP</td>
<td>maritime (water) = Ocean</td>
<td>Polar = cold / North Pacific</td>
</tr>
<tr>
<td>cT</td>
<td>continental (land) = LAND</td>
<td>Tropical = warm / Central Mexico</td>
</tr>
<tr>
<td>cP</td>
<td>continental (land) = LAND</td>
<td>Polar = cold / Central Canada</td>
</tr>
<tr>
<td>cA</td>
<td>continental (land) = LAND</td>
<td>Arctic = cold / North Central Canada</td>
</tr>
</tbody>
</table>

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**What type of air mass would form over each area? Please label.**

- **mT** over Mexico
- **mP** over the North Pacific Ocean
- **cA** over Canada
- **cP** over Central Canada
- **cT** over Central Mexico
- **mT** over the Gulf of Mexico
Front = Leading edge of an air mass. The interface (boundary) between air masses.

Front Practice

1. What city just experienced a sudden drop in temperature? B (behind the cold front)
2. What city is in direct path of the LOW? D = weather moves NW
3. What city is going to experience a sudden thunderstorm over the next 3 hours? A
4. What city is experiencing the HIGHEST pressure? C look @ isobars 1020
5. What city has the best chance for rain? A
6. What city is going to experience a sudden drop in PRESSURE? D = warm front (low) will pass over it

Sea-Level Air Pressures

1. What point is the LOW located? C
2. What point is the HIGH located? A
3. What point has the highest winds? B
4. What state has lousy weather? N Y
5. What point has the weakest winds? A
6. What direction do winds blow around point C? Inward
7. What direction do winds blow around point A? A = High (outward, clockwise)
8. At point C, does air rise or sink? Low = Rise
9. At point A, does air rise or sink? High = Sink
10. At point A, is that warm or cold air? A = Cold
11. At point C, is that warm or cold air? D = Warm