Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**AIR MASSES AND FRONTS NOTES**

**Air Masses**

* **Warm air** forms over **\_\_\_\_\_\_\_\_** regions near the equator.

**T- \_\_\_\_\_\_\_**

* **\_\_\_\_\_ air** forms over **polar** regions.

**P- Polar**

* **Wet air** \_\_\_\_\_\_\_\_ form over **water**

**\_\_- maritime**

* **Dry air** masses from over **\_\_\_\_\_\_\_\_.**

**c- \_\_\_\_\_\_\_\_\_\_**

**Air Masses**

* **Moisture \_\_\_\_\_\_\_ is noted by the first letter.**

m – maritime – \_\_\_\_\_

c – continental – dry

* **Temperature is noted by the \_\_\_\_\_\_\_\_ letter.**

P – \_\_\_\_\_\_\_ – cool

\_\_ – tropical - warm

**Fronts**

* A front is a boundary \_\_\_\_\_\_\_\_\_ air masses.
* **\_\_\_\_\_\_\_ types of fronts and map symbols**
* Cold front
* Warm front
* Occluded front
* Stationary front

**Cold Front**

When a fast moving \_\_\_\_\_\_\_ cold air mass runs into a slow \_\_\_\_\_\_\_\_\_ warm air mass and the \_\_\_\_\_\_\_\_\_\_ cold air slides under the \_\_\_\_\_\_\_\_\_\_\_ warmer one.

A cold front symbol—The direction that the \_\_\_\_\_\_\_ point indicate the direction the \_\_\_\_\_\_\_ is moving.

**Warm Front**

When a moving warm air mass \_\_\_\_\_\_\_\_\_\_ with a slowly moving \_\_\_\_\_\_\_ air mass and the warm air \_\_\_\_\_\_\_\_\_ over the cold one.

Warm Front \_\_\_\_\_\_\_\_\_\_\_—The directions that the \_\_\_\_\_\_\_ face is the direction the front is moving.

**Stationary Front**

When a \_\_\_\_\_\_\_ air mass and a warm air mass \_\_\_\_\_\_\_\_\_, but neither air \_\_\_\_\_\_\_\_\_ has enough force to move the \_\_\_\_\_\_\_\_\_ air mass.

Stationary Front Symbol

**Occluded Front**

When a warm air mass is \_\_\_\_\_\_\_\_\_ between two cooler air masses and the thicker \_\_\_\_\_\_\_\_\_ air masses move \_\_\_\_\_\_\_\_\_\_\_\_ the thinner warm air mass and \_\_\_\_\_\_\_\_ it upward.

Occluded \_\_\_\_\_\_\_\_ symbol – The directions that the bumps \_\_\_\_\_\_\_\_ is the direction the front is \_\_\_\_\_\_\_\_\_\_\_.

Air masses and fronts questions Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Describe a maritime polar (mP) air mass, in terms of moisture.

2. The boundary between two air masses is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. What is the name and symbol of an air mass that forms over water?

4. Describe a continental tropical (cT) air mass, Moisture and temperature.

5. What is the name and symbol of an air mass that forms over land?

6. What type of front occurs when a cold air mass meets and

pushes a warm air mass out of the way.

7. What is the name and symbol of an air mass that forms in a cold region?

8. What is the name and symbol of an air mass that forms in a warm region?

9. Draw the symbol represents a warm front, what color is it?

10. What type of front occurs when a cold air mass meets and

pushes a warm air mass out of the way.

11. What type of front occurs when a warm air mass is trapped between two cold air masses.