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

**Weather Fronts Key**

* An **air mass** is a large body of air with similar \_\_\_\_temperature\_\_\_.

\_\_\_humidity\_\_\_\_\_\_, and \_\_\_air pressure\_\_\_\_\_.
* Air masses take on the properties of the areas that they \_\_form over\_\_.

	+ If they form over the ocean, they are \_\_\_moist\_\_ and we call these

	\_\_\_\_maritime\_\_\_\_.
	+ If they form over land, they are \_\_\_dry\_ and we call these

	\_\_\_\_continental\_\_\_.
	+ If they form over polar latitudes, they are \_\_cold\_\_\_ and we call

	these \_\_polar\_\_\_.
	+ If they form over tropics, they are \_\_\_warm\_\_\_\_ and we call

	these \_\_\_\_tropical\_\_\_\_\_.
* A **front** is the \_boundary\_ between two \_airmasses\_\_\_.
* Fronts are classified by the kind of airmass that is moving in to replace the other type of air

	+ If a warm air mass is coming in to replace a cold air mass that is called a

	\_\_warm front\_\_\_\_\_.
	+ If a cold air mass is coming in to replace a warm air mass that is called a

	\_\_\_\_\_\_cold front\_\_\_\_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of front** | **Diagram (with arrows to show movement)** | **What is happening with the air?** | **What is the weather like?** | **Weather map symbol** |
| Warm Front | http://exchangedownloads.smarttech.com/public/content/b5/b58c0fe6-776e-4136-8e37-de6b12279d5e/previews/medium/0001.png | Warm air is coming in to replace cold air | Drizzly rain and are followed by warm, clear weather |  |
| Cold Front | http://exchangedownloads.smarttech.com/public/content/e0/e069a5f2-fba5-4b10-8109-c08e26092235/previews/medium/0001.png | Cold air moves under the less dense warm air | Move quickly, bring thunderstorms, heavy rain or snow and cool weather |  |
| Stationary front | http://education-portal.com/cimages/multimages/16/stationary.jpg | Cold air mass meets a warm air mass but neither have enough force to move the other out of the way. | Several days of cloudy, wet weather in one place |  |
| Occluded Front | http://www.quia.com/files/quia/users/hoeffner/Weather/occluded_image.png | Forms when a warm air mass is caught between two colder air masses | Cool temperatures and large amounts of rain and snow |  |

* Fronts form along areas of \_\_low\_\_ pressure.
* Low pressure = \_\_\_\_inclement\_\_\_\_ weather.