**Air Masses**

Essential Question: Why does the Earth experience weather?

1. The movement of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_;
2. The movement of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Definition: A large dome of \_\_\_\_\_\_\_ which has similar \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ characteristics throughout.

World Map:

Where would you expect to find cold air masses?

Warm air masses?

North America Map:

Where would you expect to find cold air masses?

Warm air masses?

All around the Earth, large \_\_\_\_\_\_\_\_\_\_ of air \_\_\_\_\_\_\_\_\_\_ around and constantly \_\_\_\_\_\_\_\_\_\_\_ the weather.

They are \_\_\_\_\_\_\_\_\_\_\_\_ based on where they are coming FROM.

Types of air masses:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ (cP)

\_\_\_\_\_\_\_\_\_, dry, and \_\_\_\_\_\_\_\_\_\_ air

Originates in Canada and \_\_\_\_\_\_\_\_\_\_\_ Northern US

Responsible for \_\_\_\_\_\_\_\_\_\_\_, pleasant weather during the summer

Responsible for \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ snow around the Great Lakes in winter

1. \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ (mP)

Cool, \_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_

Originates over \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ of the northern Atlantic and \_\_\_\_\_\_\_\_\_\_ oceans and mainly influences Pacific Northwest and Northeast

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Warm, \_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_

Originates over \_\_\_\_\_\_\_\_ and affects the Midwest

Responsible for \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_ summers and warm \_\_\_\_\_\_\_ winters

1. \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Warm, \_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_

Originates over southern Atlantic and Pacific Oceans; influences Pacific Southwest, Midwest, Northeast, and Southeast. (Influences Charlotte!!!)

What type of weather would the following bring?

Air Mass #1:

Air Mass #2:

