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

**Air Masses, Fronts and Winds Review Guide**

To study for the test, answer and study the following questions.

1. What causes winds?
2. How are local and global winds different from each other?
3. Draw a sea breeze and explain how it forms.
4. Draw a land breeze and explain how it forms.
5. What is the coriolis effect?
6. What are the 3 most important instruments used to study and forecast the weather? Explain what each is used for.
7. What are the two major wind belts that effect weather in the continental United States? What direction does each blow?
8. In what direction do air masses/weather move across the United States? What causes this?
9. Compare and contrast how a warm and cold front form.

Same Different

Warm Front

Cold Front

1. What warms faster, soil or water?
2. What cools faster, soil or water?
3. How are air masses classified?
4. Identify the major types of air masses that affect the weather in the United States/

Name Humidity Temperature Where are they formed?

1. Identify the Manipulated Variable (MV) and the Responding Variable (RV) in the following scientific question: Does the cost of printer ink affect how many copies can be made?

MV

RV

1. Write an If, Then, Because hypothesis for the scientific question in #14.