

## Earth and Space Sciences

due: \_\_\_\_\_

**ACTIVITY 115** Water in the Atmosphere

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

Date: \_\_\_\_\_

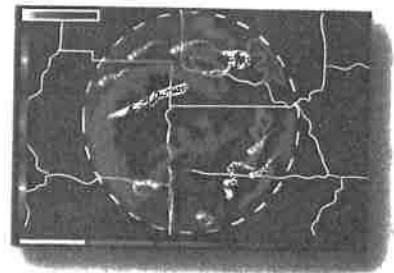
Match the terms with their descriptions.

- |                            |  |
|----------------------------|--|
| 1. _____ humidity          | a. water condensed on a cold surface                                 |
| 2. _____ evaporation       | b. any form of water falling from clouds                             |
| 3. _____ relative humidity | c. water vapor in the air becoming liquid                            |
| 4. _____ dew point         | d. process by which water enters atmosphere                          |
| 5. _____ precipitation     | e. amount of water vapor in the air                                  |
| 6. _____ condensation      | f. temperature at which condensation begins                          |
| 7. _____ dew               | g. percentage of water vapor in the air compared to maximum possible |



Match each of these instruments with what they measure.

- |                        |                      |
|------------------------|----------------------|
| 8. _____ wind vane     | a. temperature       |
| 9. _____ barometer     | b. relative humidity |
| 10. _____ thermometer  | c. wind direction    |
| 11. _____ anemometer   | d. air pressure      |
| 12. _____ psychrometer | e. wind speed        |



## Earth and Space Sciences

### ACTIVITY 119 Air Masses

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

Date: \_\_\_\_\_

Use the words in the box to fill in the blanks.

tropical    polar    maritime    continental

1. What type of air mass forms over land and is dry?

\_\_\_\_\_

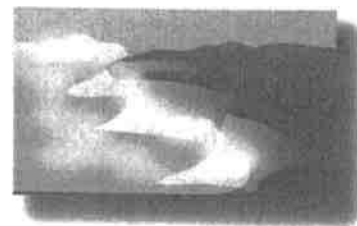
2. What type of air mass forms over oceans and is humid?

\_\_\_\_\_

3. What type of air mass forms over the tropics and is warm? \_\_\_\_\_

4. What type of air mass forms north or south of the 50 degree latitudes and is cold?

\_\_\_\_\_



### ACTIVITY 120 Fronts

\* Use pgs. 76-82

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

Date: \_\_\_\_\_

For each description, tell which type of front occurs and what type of weather it brings.

1. When a fast-moving cold air mass meets a slow-moving warm air mass.

Front type: \_\_\_\_\_

Weather type: \_\_\_\_\_

2. When a faster-moving warm air mass collides with a slower-moving cold air mass.

Front type: \_\_\_\_\_

Weather type: \_\_\_\_\_

3. When a warm and a cold air mass meet, but neither has the force to move the other.

Front type: \_\_\_\_\_

Weather type: \_\_\_\_\_

4. When a warm air mass is stuck between two cool air masses

Front type: \_\_\_\_\_

Weather type: \_\_\_\_\_