-	N	-	_	_	_
	ı	а	п	n	₽

Class \_

Date \_

## MODERN EARTH SCIENCE

Section 24.1

## **Atmospheric Moisture**

Read each statement below. If the statement is true, write T in the space provided. If the statement is false, write F in the space provided.

- \_\_\_\_\_ 1. Sublimation is the process by which a solid changes to a liquid.
- \_\_\_\_\_ 2. Humid air usually has a higher dew point than dry air.
  - 3. Water usually condenses when air temperature falls below dew point.
  - \_\_\_ 4. The amount of water vapor that a volume of air can hold decreases as air temperature rises.
- \_\_\_\_\_ 5. The heat energy necessary for evaporation of ocean water is absorbed from the sun.

## Read each question and answer it in the space provided.

- 6. What is the name of the instrument that uses wet-bulb and dry-bulb thermometers to measure relative humidity?
- 7. In what form is most atmospheric water found?

Sample	T °C	Mass of Water Vapor	Mass of Water Vapor at Saturation
1	20°	12 g	17 g
2	32°	14 g	34 g
3	41°	20 g	56 g

- 8. What is the relative humidity of air sample 2 in the table?
- 9. What is the principal source of atmospheric moisture?
- 10. What forms on surfaces when the dew point is below the freezing temperature of water?