

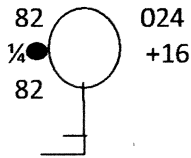
TEST REVIEW QUESTIONS

1. Base your answer to the following questions on the weather station data shown in the table below.

Air Temperature	26°C
Dew Point Temperature	24°C
Barometric Pressure	984.2mb
Wind Direction	From the South East
Wind Speed	20 knots

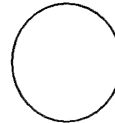
- a. State the air temperature in degrees Fahrenheit.
- b. State the dew point temperature in degrees Fahrenheit.
- c. State the barometric pressure in its ^{proper} ~~poor~~ form, as used on a station model.
- d. At this time is the relative humidity High or Low, explain.

Base your answers to the question below on the station model below.



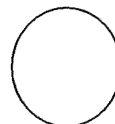
2. State the condition represented by the symbol for "present weather".
3. State the relative humidity.
4. State the barometric pressure in millibars.
5. What was the barometric pressure 3 hours ago?
6. Using the proper format, place the following data on the weather station model provided below.

Wind = 30 knots blowing from the North East.
 Barometric pressure = 989.0 mb.
 Cloud Cover = 25%.
 Air temperature = 77°F.

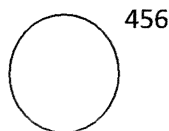


7. Using the proper format, place the following data on the weather station model provided below.

Wind = 20 knots blowing from the South West.
 Barometric pressure = ~~1100.4 mb.~~ 1000.4 mb
 Air temperature = 33°F.
 Dew point temperature = 32°F.
 Present Weather = Snow



8. What is the actual pressure shown by the station model below?



9. Where is the most likely source area for a tropical depression that grows into a major hurricane in the United States?

10. What conditions must exist for a hurricane to form?

11. As an Atlantic hurricane is born, intensifies, and later fades, what is its most likely path as it moves toward the mainland of the United States?

12. State two steps you would take in preparing for a hurricane.

13. What conditions must exist to form a tornado?

14. How do the surface winds flow in a Hurricane?

15. What is the name of the scale used to measure Hurricanes?

16. What is the name of the scale used to measure Tornadoes?