

NAME _____

DEW POINT, RELATIVE HUMIDITY, AND WEATHER STATIONS

1. What information does the dew point temperature tell you about a location?

2. What can be said about two locations that have the same dew point temperature?

3. What does relative humidity measure?

4. What is the dew point temperature in Des Moines, Iowa? _____

5. What is the difference between the dew point temperature and air temperature in Charleston, South Carolina?

6. How does the air temperature in Phoenix, Arizona compare with the air temperature in Miami, Florida (the circled station)?

7. How does the dew point temperature in Phoenix compare with the dew point temperature in Miami?

8. How does the relative humidity in Miami compare with the relative humidity in Phoenix? Use data from the weather stations to defend your answer.

9. In which location (Phoenix or Miami) is the air drier? How do you know?

10. In which location (Phoenix or Miami) would laundry hung outside on a clothesline not dry well? (This means it would stay damp.) Explain your answer.

11. Compare the climate in Florida and Arizona based on your prior knowledge of the locations and the data from the weather stations.

12. Circle the weather station in California that has a relative humidity of 100%.

13. How does the dew point temperature in Phoenix compare with the dew point temperature in Spokane, Washington?

14. How does the relative humidity of the two locations (Spokane, Phoenix) compare?

15. Which place (Phoenix or Spokane) has more cloud cover? _____

16. Which location is more likely to have precipitation? _____

17. Take a look at three weather stations (all circled): Jackson, Mississippi, New York City, and Des Moines, Iowa. Why are two of the three stations colored black and the third one clear? Use the dew point and air temperature readings at each station to explain your answer.

