

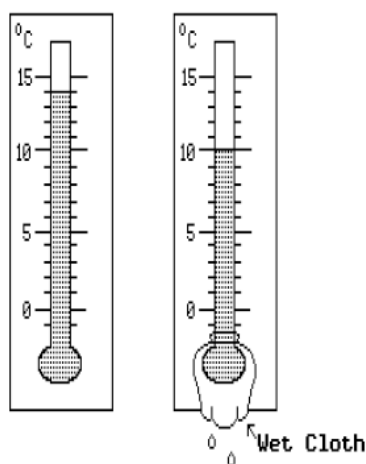
Name: _____

Date: _____ Period: _____

Worksheet: Weather Instruments

1. What is the approximate dewpoint temperature if the dry bulb temperature is 10°C and the wet-bulb temperature is 8°C ? [Refer to the Earth Science Reference Tables.]
 - a. 1°C
 - b. -13°C
 - c. 6°C
 - d. 3°C
2. What is the dewpoint temperature when the air temperature is 18°C and the wet-bulb temperature is 13°C .
 - a. 9°C
 - b. 6°C
 - c. 25°C
 - d. 13°C
3. A temperature of 80° Fahrenheit would be approximately equal to how many degrees on the Celsius scale?
 - a. 27
 - b. 299
 - c. 178
 - d. 34

The two thermometers below show the dry-bulb and wet bulb temperatures of the air.

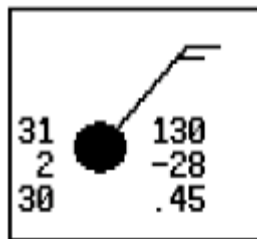


4. According to the dewpoint temperature chart in the Earth Science Reference Tables, what is the approximate dewpoint temperature of the air?
 - a. 6°C
 - b. 11°C
 - c. 4°C
 - d. -25°C

Worksheet: Weather Instruments

5. According to the Earth Science Reference Tables, when the dry-bulb temperature reading is 10 °C and the wet-bulb temperature is 2.0 °C, the dewpoint temperature of the air is approximately?
- 8.0 °C
 - 10.0 °C
 - 2.0 °C
 - 14.0 °C
6. An air pressure of 29.65 inches of mercury is equal to how many millibars?
- 1001.0 mb
 - 1004.0 mb
 - 999.0 mb
 - 984.0 mb
7. An air pressure of 1023 millibars is equal to how many inches of mercury?
- 30.10
 - 30.19
 - 30.21
 - 30.15
8. A temperature of 73° Fahrenheit is approximately equal to a temperature of
- 23 °C
 - 162 °C
 - 26 °C
 - 17 °C

Questions 9 and 10 refer to the following diagram below shows a weather station.



9. The barometric pressure is
- 913.0 mb
 - 130.0 mb
 - 10.28 mb
 - 1013.0 mb
10. The weather forecast for the next 6 hours at this station most likely would be
- sunny, cold, probable rain
 - overcast, cold, probable snow
 - overcast, hot, poor visibility
 - overcast, hot, unlimited visibility