

In Class Activity: Determining Dew Point Temperature and Relative Humidity Using a Sling Psychrometer

Name _____ Name _____

Name _____ Name _____

1. Check to be sure that the “wet” bulb thermometer on your sling psychrometer is wet (it should be).
2. Swing the apparatus around for at least five minutes.
3. Record the temperatures of the two thermometers:

Dry Bulb T _____ °C
Wet Bulb T _____ °C
(Dry Bulb T – Wet Bulb T) _____ °C (This is the “depression of the wet bulb temperature”)

Use the “Relative Humidity” chart to determine the relative humidity of the air in this room:

Relative Humidity: _____ %

Use the “Dew Point Temperature” chart to determine the dew point temperature of the air in this room:

Dew Point Temperature: _____ °C

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Use the “Relative Humidity” chart to determine the relative humidity of the air in this room:

Relative Humidity: _____ %

Use the “Dew Point Temperature” chart to determine the dew point temperature of the air in this room:

Dew Point Temperature: _____ °C