# Comfort and Climate Quiz

# Weatherization Energy Auditor – Single Family

DISCLAIMER: This quiz is intended for use as an interim review. Distribute to students after training the associated curriculum chapter, or the next day, to refresh the lesson. Being publicly available renders this specific quiz invalid for use as a formal assessment tool for accreditation.  See Tier 2.14(b) IREC 01022 ISPQ accreditation standard.

Learning Objectives

By attending this session, participants will be able to:

* List the basic principles of human thermal comfort.
* Describe relative humidity.
* Demonstrate how to use a psychometric chart.

Questions

1. The amount of water vapor contained in a given volume of air compared to the total amount of water vapor it is capable of containing is called:

1. Dew point.
2. Relative humidity.
3. Condensation.

2. Humans are most comfortable at:

1. 10% - 50% RH
2. 30% - 90% RH
3. 15% - 75% RH

3. Relative humidity is defined as:

1. The amount of water vapor contained in a given volume of air compared to the total amount of water vapor it is capable of containing
2. The number of grains of water vapor per pound of dry air.
3. The intersection of the wet bulb and dry bulb temperature on a psychrometric chart.

4. What list of variables describes the key influences on human thermal comfort?

* 1. Dew point, absolute humidity, condensation, ventilation, mean radiant temperature, clothing insulation value
  2. Clothing insulation value, air temperature, relative humidity, air motion, mean radiant temperature, metabolic rate
  3. Air temperature, metabolic rate, psychrometers, condensation, dew point, mean radiant temperature