

## Quiz 34

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**1. The most common system installed in most residences where the furnace is located in the basement and provides conditioned air via ducts to each room is called a:**

- a. forced air system
- b. single zone, constant air volume system
- c. low velocity terminal reheat system
- d. multi-zone system
- e. unit ventilator

**2. The unitary air conditioning system which uses a direct expansion refrigeration system to provide cooling and dehumidification in a local area without ductwork is called a:**

- a. unit ventilator
- b. rooftop unit
- c. window air conditioner
- d. high velocity terminal reheat system
- e. multi-zone system

**3. To offset the heat gain through the building's exterior shell from solar radiation, the atmosphere surrounding the building, and from internal sources of heat, then one of the following is required:**

- a. a humidifier
- b. a heat source
- c. ventilation
- d. a cooling source
- e. a dehumidifier

**4. The four properties of an interior environment that most affect thermal comfort are:**

- a. air temperature, dew point, relative humidity, solar radiation
- b. air temperature, relative humidity, metabolism, clothing
- c. air temperature, relative humidity, air speed, mean radiant temperature (MRT)
- d. surface temperature, surface texture, air temperature, air cleanliness

**5. Preferred conditions for thermal comfort are usually presented in the form of a comfort "zone":**

- a. because there is no single ideal comfort point for any group of people
- b. as a means of including a safety factor to ensure good health
- c. because no one in comfort research really knows what they are doing
- d. so that designers can do whatever they want, while convincing clients they know what they are doing

**Quiz 34 Answers:**

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**1 = a, 2 = c, 3 = d, 4 = c, 5 = a**