# General Construction and Carpentry 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:

* Define residential house construction terminology.
* Recognize characteristics of various types of structural framing.
* Identify different types of foundation, wall, roof, window, and door systems.
* Recognize characteristics of balloon and platform framing.
* Explain the impact that different framing types have on air leakage.
* Review window and door installation processes.

**Questions**

1. The types of foundation systems that commonly experience outside temperatures throughout the

year are: (Circle all that apply.)

1. Below grade basement
2. Pier and beam foundation
3. Vented crawl space
4. Slab on grade

2. Balloon framing can be detected by the presence of:

1. Open topped wall stud bays in an attic.
2. Double top plated partition walls.
3. Sill plates.

3. The characteristics of platform framing include:

1. Long, vertical framing for exterior walls.
2. Floor joists fastened to ledger boards.
3. Wall framing capped with top plates.

4. An example of a *major* air leak associated with platform-framed construction is:

1. Dropped ceiling over a closet with open topped wall studs.
2. Leaks around windows and doors.
3. Kitchen cabinet bulkhead open to the attic.

5. Why are platform framed houses less likely than balloon framed houses to have vertical air leakage?

1. Fewer vertical pathways
2. No plumbing chaseways
3. Less knob and tube wiring

6. Which of the following is not a step for the installation of an in-jamb replacement window?

1. Score all painted joints with a sharp utility knife.
2. Remove all interior and exterior window trim.
3. Seal the perimeter with low expanding foam.