# House as a System Quiz

# Quality Control Inspector

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

* Discuss the potential for interaction among building components and mechanical systems.
* Give examples of how air sealing a home can negatively affect building durability and indoor air quality.
* Recognize typical air leakage sites and explain how to deal with them.

**Questions**

**1**. Frost forming on the underside of roof sheathing in an attic on a cold winter day is most likely caused by:

1. A roof leak.
2. Ice damming.
3. Condensation.

**2**. The proper material for sealing around an active chimney is:

1. Cardboard and polyurethane foam sealant.
2. Metal dam and high temperature caulk.
3. Rigid foam and acrylic caulk.

**3**. Each of the following can have a negative effect on indoor air quality except:

1. Powerful exhaust fans in a tight house with old natural draft combustion appliances.
2. A tight home with high moisture sources.
3. Dry rot of structural framing members.

**4**. Each of the following can have a negative effect on building durability except:

1. Leaky can lights into an insulated attic.
2. Balanced ventilation and natural draft appliances.
3. An unsealed chimney chase connecting the basement to the attic.