

1. Heating, ventilating and air conditioning systems shall be designed and installed for efficient use of energy in accordance with the _____.
 - a. *International Plumbing Code®*.
 - b. *International Fuel Gas Code®*
 - c. *International Building Code®*.
 - d. *International Energy Conservation Code®*

2. Appliances that are part of the building mechanical system shall not be converted to a different fuel, except where approved and in accordance with the _____ instructions.
 - a. mechanical engineer's.
 - b. mechanical contractor's
 - c. manufacturer's
 - d. mechanical inspector's

3. Walls enclosing occupiable rooms where food is stored, served, or sold shall be constructed to protect against the entrance of _____ in accordance with the building code.
 - a. termites
 - b. outside air
 - c. moisture
 - d. rodents

4. Bored holes for the installation of piping shall be located at least ____ inch(es) from the top and bottom of a solid wood joist.
 - a. 1/2
 - b. 5/8
 - c. 1
 - d. 2

5. Unless doubled, studs within an exterior bearing wall may contain bored holes a maximum diameter of _____ percent of the stud depth.
 - a. 25
 - b. 33 1/3
 - c. 40
 - d. 60

6. Appliances shall not be installed in a location where they may be subject to mechanical damage unless they are _____.
 - a. elevated at least 18 inches above the floor
 - b. braced & anchored to the structural framing
 - c. protected by approved barriers
 - d. approved by the code official

7. A boiler installed in a closet must _____.
 - a. have a side clearance of not less than 30 inches
 - b. have a minimum ceiling height of 8 feet
 - c. be provided with outside ventilation air
 - d. be listed for installation in a closet

8. Sides of pits or excavations used for appliance locations shall be held back a minimum of _____ inches from the equipment.
 - a. 4
 - b. 6
 - c. 10
 - d. 12

9. When located within a repair garage, appliances with an ignition source shall be elevated such that the ignition source is a minimum of ___inches above the garage floor.

a. 12 b. 14

c. 16 d. 18

10. Where natural ventilation is used, the maximum rated output capacity of hydrogen-generating appliances shall not exceed 4 standard cubic feet per minute of hydrogen for each _____square feet of floor area.

a. 100 b. 250

c. 500 d. 850

