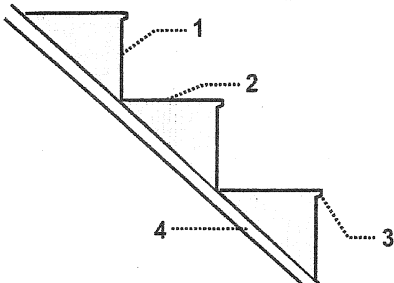


## EXTERIOR REVIEW WORKSHEET

1. What is the soffit?
  - a) The board laid vertically at the outer edge of the eave
  - b) The portion of the roof that extends beyond the outer wall
  - c) The trim piece that appears along the top of the wall at the gable or end of the roof
  - d) The underside of the eave
2. Discoloration in a large picture window is an indication of?
  - a) Poor Installation
  - b) Laminated Glass
  - c) A leaking seal
  - d) Translucent light effect
3. What is the acceptable depth of treads according to most building codes?
  - a) About 1"
  - b) 9" to 11"
  - c) 6" to 7"
4. When is a handrail required on steps?
  - a) If the steps are wider than 3' across
  - b) If there are open risers
  - c) If there are 3 or more risers
  - d) If the steps are covered with outdoor carpet
5. What would not be the cause of a sag in a porch ceiling?
  - a) Warped beams
  - b) Beams that have slipped off columns
  - c) Leaking into the structure of the roof
  - d) Rotting fascia board
- 6) Which statement is false?
  - a) a deck is an independent structure
  - b) There should be no spaces left between floor boards of a deck
  - c) Generally, codes require deck balusters to be 4" apart
  - d) Wooden support posts on decks should not have their feet buried in the ground
- 7) Which of the following should be considered a safety hazard?
  - a) Balusters too far apart
  - b) reverse grading
  - c) Water penetration at the intersection of the attached deck and the house
  - d) Deck flooring not properly spaced
- 8) What is a deadman?
  - a) The cantilevered beam or joist that supports the balcony
  - b) The cross piece in a tieback that anchors a retaining wall
  - c) The vertical piles in a retaining wall
  - d) The drainage holes in a retaining wall
- 9) Which of the following statements is false?
  - a) A retaining wall should hold back water
  - b) A retaining wall should hold back the soil
  - c) A retaining wall should allow water to pass over it
  - d) A retaining wall should allow water to pass through it

- 10) Soffits in and of themselves lend to improved ventilation into the attic space?  
 True                      False
- 11) What is not an example of wall sheathing?  
 a) Building paper  
 b) Tongue and Groove Planking  
 c) Plywood  
 d) Fibrous Sheets
- 12) Nails that don't grip in vertical plank siding may be caused by?  
 a) Deteriorating paint or finish stain  
 b) Nails that are too long  
 c) The absence of wall sheathing  
 d) An improper nailing base
- 13) Cupping and warping in wood plank siding is a sign of?  
 a) Improper nailing  
 b) Moisture retention  
 c) Crooked wall studs  
 d) Movement of the frame
- 14) What is the fascia board?  
 a) The portion of the roof that extends beyond the wall  
 b) The flat trim board fastened to the outer edge of the roof rafters  
 c) The underside of the eave  
 d) The lowest course in wood siding
- 15) What is glazing?  
 a) A gas such as Argon between lights  
 b) The compound used to hold the window in place  
 c) The window pane itself  
 d) A sticky plastic inner layer to hold the window together in case it breaks
- 16) Which type of siding has the greatest ability to hold paint over long periods?  
 a) Stucco  
 b) Composition Board  
 c) Cement Board  
 d) Plywood

17) Identify the following four components:



18) What is the proper grading for land around the foundation?

- a) 1" per foot for 10'
- b) 1" per foot for 5'- 6'
- c) 5" per foot for the first 10 feet'
- d) 5" per foot for the first 20 feet

19) The passage door between the house and garage should:

- a) Be a minimum of 4" above the garage floor
- b) Be less than 14" above garage floor
- c) Needs to be fire rated
- d) Both A and C

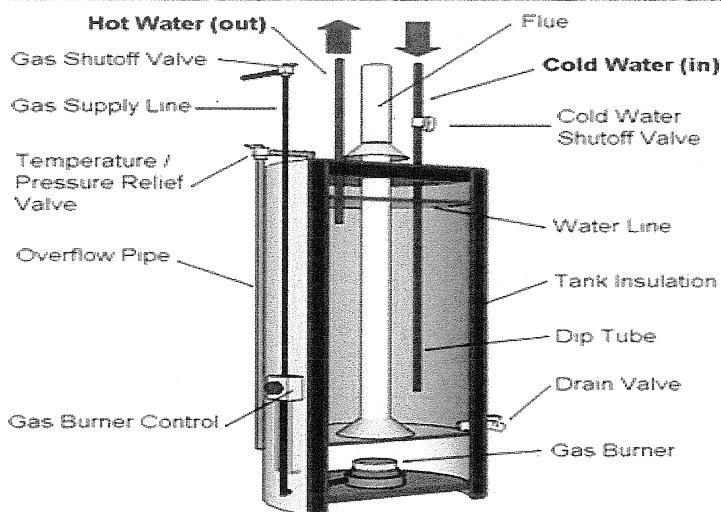
20) Exterior Insulation and Finish Systems (EIFS) is a better insulator than Hardcoat Stucco

True      False

## INTERIOR REVIEW WORKSHEET

1. What is typically used for subflooring in new construction today?
  - a) 3/8" tongue and groove boards
  - b) 1x4 or 1x6 softwood planks
  - c) Softwood tongue and groove boards
  - d) 5/8" plywood or particle board
2. Hardwood flooring can be glued directly to a concrete slab  
True                      False
3. What is the acceptable distance between the tread of a stairway and its handrail?
  - a) 9" to 11"
  - b) 25" to 30"
  - c) 34" to 38"
  - d) 40"
4. What type of shower construction will almost certainly leak eventually?
  - a) One with a fiberglass surround
  - b) One with a tile surround
  - c) One with a shower/tub combination
  - d) One with a metal shower pan
5. If you notice a metal P Trap under a sink, you know what?
  - a) Its illegal and should be replaced with an S trap
  - b) There probably is no adequate venting
  - c) Sewer gases are likely to escape back into the house
  - d) None of the Above
6. The presence of a GFCI indicates what?
  - a) There is likely a water source nearby
  - b) There was likely a problem with breakers tripping at one time
  - c) Higher amperage circuit is present and requires added protection
  - d) Additional power was needed for a high amperage appliance
7. Flush mounted skylights are the best protection against water intrusion  
True                      False
8. Under current code AFCI's are required where?
  - a) In the kitchen
  - b) In the bathroom
  - c) Inside bedrooms
  - d) Inside rooms with 20AMP or greater fuses
9. Which of the following statements is false?
  - a) Stringers are fastened at both ends (to joists and headers in the framework)
  - b) There is only one acceptable method to attaching treads to stringers
  - c) A stringer that is slightly bowing is an imminent safety concern
  - d) A stringer needs to have a minimum depth of 2" x 10"
10. Stairwells should have a minimum width of?
  - a) 30"
  - b) 34"
  - c) 36"
  - d) A minimum of 30" but there is no maximum

11. 90% of Basement and Crawl Space leaks are usually the result of
  - a) Poor building practices
  - b) Poor surface drainage
  - c) Using block versus concrete foundation
  - d) Not using exterior drainage tile
  
12. A sump pump in the basement of a home is always an indication that:
  - a) There is a leak into the basement or crawl space
  - b) There is poor exterior surface drainage
  - c) There may be a water intrusion issue
  - d) Both A and B
  
13. Recommended insulation levels in an unfinished attic are?
  - a) R12-R20
  - b) R20-R25
  - c) R25-R40
  - d) None of the Above
  
14. Insulation should always have the vapor barrier side?
  - a) against the warm side of the living space
  - b) opposite the warm side of the living space
  - c) Either way is acceptable
  - d) Insulation doesn't necessitate a vapor barrier
  
15. What is an insulation's R value?
  - a) The thickness of the insulation
  - b) Its resistance to heat flow per inch of thickness
  - c) Its resistance to cold air flow per centimeter of thickness
  - d) None of the above
  
16. What method of attic ventilation is considered most effective?
  - a) a gable vent at each gable
  - b) a combination of soffit and ridge vents
  - c) soffit vents at each eave
  - d) power ventilator



**Gas Hot Water Heater Components**

17. Label the arrowed items

18. What are baffles used for?
- a) to provide ventilation to a crawl space
  - b) to keep insulation from blocking soffit vents in the attic
  - c) to keep insulation from falling out of position in between rafters and joists
  - d) to keep vermin from entering an attic or crawl space
19. What is radon?
- a) a colorless odorless gas
  - b) a byproduct of decomposing uranium
  - c) the leading cause of lung cancer
  - d) both A and B
20. Radon can only be remediated
- a) by venting through the roof
  - b) by venting through an exterior side wall
  - c) both A and B
  - d) none of the above