

BERNARD J. MOROSCO

CONSULTING, TRAINING & INSPECTION SERVICES

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ONLY

Basic Housing Maintenance Mechanic

(PUBLIC HOUSING)

EXAMINATION

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1. a **pipe wrench** is a tool best associated with which type of repair
 - a. carpentry
 - b. plumbing
 - c. electrical
 - d. masonry

2. **HVAC** is a term that stands for
 - a. Heating, Ventilating Alternating Current
 - b. Holistic Vacuum Air Conditioner
 - c. Heating Ventilation and Air Conditioning
 - d. High Voltage with Air Conditioning

3. Water on the floor below or near a Hot Water Heater is a **potential** indicator of
 - a. Flooding basement
 - b. Leaking Hot Water tank
 - c. Leaking TPR Valve
 - d. Both B. and/or C.

4. A **Phillips screwdriver** had what type of pattern
 - a. -
 - b. x

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5. The term **pilot light** is best associated with which type of appliance
 - a. Air Conditioner
 - b. Recirculating Fan
 - c. Stove
 - d. None of the above

6. The acronym **GFCI** Stands for
 - a. Grounded full circuit interconnector
 - b. Grounded fault challenge interpolator
 - c. Ground Fault Circuit Interruptor
 - d. Ground filled construction instep

7. The term **MERV Rating** is best associated with
 - a. Water density
 - b. Hot Water Heater BTU output
 - c. HVAC Air Filtration
 - d. Plumbing fixtures

8. The term **Low Water Cutoff** is best associated with
 - a. HVAC Systems
 - b. Hot Water Tanks
 - c. Boilers
 - d. Evaporators

9. Proper installation of dryer venting should be done utilizing
 - a. International Building Code
 - b. New York State Uniform Fire Prevention and Building Code
 - c. NFPA 74
 - d. Manufacture's Instructions

10. How many steps are required on a set of stairs in order to have a handrail required to be installed?
 - a. 3
 - b. 4
 - c. 5
 - d. 2

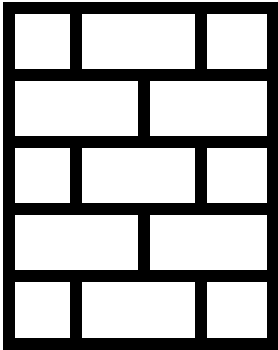
Match Up Questions 11 – 14 with the column on the right

- | | |
|---|--|
| 11. Single Station Smoke Alarm _____ | A. Air delivered to a conditioned space through ducts or plenums from the heat exchanger of a heating, cooling or ventilating system. |
| 12. Water Distribution System _____ | B. Piping which conveys water from the service to the plumbing fixtures, appliances, appurtenances, equipment, devices or other systems served, including fittings and control valves. |
| 13. Supply Air _____ | C. An assembly incorporating the detector, control equipment and alarm sounding device in one unit that is operated from a power supply either in the unit or obtained at the point of installation. |
| 14. Temperature Pressure Relief valve _____ | |

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spring or other pressure at the

20. The Diagram to the right depicts one face of a chimney, No bricks were cut to form the chimney; the "half-bricks" are the end bricks that extend along one of the sides. How many bricks are needed to build the entire chimney?
 - a. 28
 - b. 30
 - c. 32
 - d. 34



21. The term "**square**" is an area measurement best known in which construction area
 - a. Masonry
 - b. Electrical
 - c. Roofing
 - d. Plumbing

22. **Rebar** is utilized in
 - a. Electrical wiring

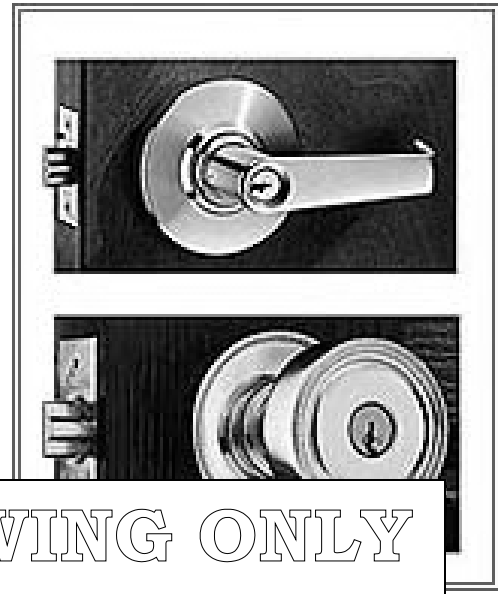
- b. Pipefitting repairs
- c. Foundation construction
- d. HVAC Support

23. Looking at the photo on the right, which door handle would you utilize in a unit required for handicap access?

- a. The top drawing
- b. The bottom drawing
- c. Either would qualify

24. Hollow-core doors are best utilized where?

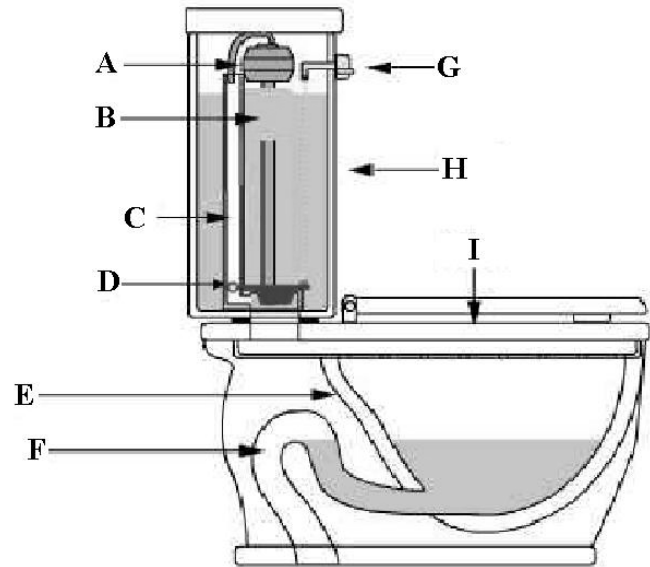
- a. Apartment entry doorways
- b. Interior (bedroom) doorways
- c. Bathroom doorways
- d. Any of the above



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Identify the parts of a toilet from the diagram listing the letter in the appropriate question

- 25. Filler Valve _____
- 26. Flush Valve _____
- 27. Rim _____
- 28. Filler Float _____
- 29. Siphon _____
- 30. Handle _____
- 31. Overflow Tube _____
- 32. Tank _____
- 33. Bowl _____



34. Many Smoke Detectors installed today are “hard wired” to the household electrical system but still have a 9 volt battery
- True
 - False
35. The term “**Lintel**” is most associated with
- Windows and Doors
 - Walls and Ceilings
 - Floors and Ceiling
 - Doors and Walls
36. **Formica** is usually seen in what building component?
- Floors
 - Ceilings
 - Cabinets
 - Countertops
37. The “optimal” output temperature for residential hot water heaters is most commonly considered to be? (in farenheit)

a. 115 degrees

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38. It is generally accepted that mechanical or natural ventilation is required in which area of a residential unit?
- Kitchens and Bathrooms
 - Kitchens only
 - Bathrooms only
 - Laundry Rooms
39. Mildew is **most commonly** associated with which room in a residence?
- Laundry Rooms
 - Kitchens
 - Bathrooms
 - Basements
40. **Gypsum** (Hydrated Calcium Sulfate) is best associated with which building component?
- Floors
 - Walls
 - Doors
 - Ceilings and Walls
41. The term **WD-40** is best associated with
- Wall board
 - Lubricating Oil
 - Sandpaper grade
 - Concrete type

42. **Boric Acid** is a product best used for what area?
- a. Concrete hardening
 - b. Sidewalk cleaning
 - c. Insect control
 - d. Mold control
43. The term **3 Tab** is generally part of what building component
- a. masonry blocks
 - b. roof shingles
 - c. porch flooring
 - d. hardwood floors
109. A "**spongy**" floor is a good indicator of
- a. an older house
 - b. a rotted subfloor

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