



# **COURSE 11425**

## **Plumbing Definitions and Standards**

### **Exam Material**

**Uscontractorlicense LLC**

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## Summary Of This Course

# Plumbing Definitions and Standards

Approved by the

Wisconsin Department of Safety and Professional Services Safety and Buildings Division

Course Identification Number 11425

Educational Credit Hours: 4

Course Provider:

## USCONTRACTORLICENSE LLC

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This course provides the in depth trade essential terminology utilized by individuals involved with the plumbing and inspection trades. It also covers the Incorporation of Standards by Reference for the Plumbing codes.

This Course is approved for the following Registrations/Certifications or Licenses:

## **Course Outline**

This course is a distance learning or e-learning course, which allows the attendee to complete the course on their time schedule.

SPS 381.01 Definitions

SPS 381.20 Incorporation of standards by reference

## **Exam**

120 questions related to the reference materials are used to test the attendee on their comprehension of the materials. A 70% score will need to be attained in order to pass this course.

## **Answer Sheet(s)**

1 bubble style answer sheet(s) are included. When you are finished with the exam, you may return the answer sheets for grading to:

By Mail: Uscontractorlicense LLC

PO Box 268

Platteville, Wisconsin 53818

By Email: [michael@uscontractorlicense.com](mailto:michael@uscontractorlicense.com)

By Fax: 608-571-0096

Once we get the answer sheets back, we will grade them, enter your hours into the attendance portal and email or mail you back your certificate of completion(s). You will be responsible for renewing your license with the DSPS at [www.license.wi.gov](http://www.license.wi.gov) website.

Any questions, please contact us at 608.348.6688

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Plumbing 381 Definitions and Standards  
SPS 381.01(1) to 381.01(60e) for Questions 1 to 28

**1. \_\_\_\_\_ means a specification, standard, guideline or procedure in the field of plumbing or related thereto, generally recognized and accepted as authoritative documented through national standards or specifications.**

- a. Authorization for
- b. Accepted engineering practice
- c. Acknowledge practice
- d. Accepted standard

**2. \_\_\_\_\_ means the unwanted reverse flow of liquids, solids or gases.**

- a. Back pressure
- b. Inductive reversal
- c. Backflow
- d. Suction

**3. "Accessible" when applied to a \_\_\_\_\_, means having access for maintenance, but which first may require the removal of an access panel or similar obstruction.**

- a. fixture or valve
- b. appliance and pipe
- c. fixture, appliance, pipe, fitting
- d. fixture, appliance, pipe, fitting, valve or equipment

**4. \_\_\_\_\_ means a type of cross connection control device which consists of 2 independently acting check valves, internally force-loaded to a normally closed position and separated by an intermediate chamber with a means for automatically venting to atmosphere where the venting means is internally force-loaded to a normally open position. The terms "backflow preventer" or "dual check valve type with atmospheric port backflow preventer" has the**

**same meaning as backflow preventer with intermediate atmospheric vent.**

- a. Backflow preventer with intermediate atmospheric vent
- b. Backflow vent with an atmospheric vent
- c. Backflow intermediate vent
- d. Backflow atmospheric dual vent

**5. \_\_\_\_\_ means a piping arrangement for a drain system where the wastes from a fixture, appliance, appurtenance or device discharge by means of indirect or local waste piping terminating in a receptor at a point below the flood level rim of the receptor and above the outlet of the trap serving the receptor.**

- a. Circuit-Vent
- b. Air-break
- c. Diverter
- d. Standpipe

**6. "Back siphonage" means the creation of a backflow as a result of positive pressure.**

- a. True
- b. False

**7. \_\_\_\_\_ means a unit for the treatment of wastewater which utilizes molecular oxygen in the absence of free oxygen for biological respiration and decomposition.**

- a. Anaerobic treatment component
- b. Aerobic treatment component
- c. Anaerobic component
- d. Ambient treatment and component

**8. \_\_\_\_\_ means a water supply valve opened or closed by means of a float or similar device used to supply water to a tank.**

- a. Ball adapter
- b. Ballcock
- c. Ball float
- d. Ballast

**9. \_\_\_\_\_ means a manufactured device or prefabricated assembly of component parts which is an adjunct to a plumbing product or plumbing system.**

- a. Accessory
- b. Appurtenance
- c. Appliance
- d. Aerator

**10. "Battery of fixtures" means any group of \_\_\_\_\_ that discharge into the same horizontal branch drain.**

- a. 4 or more fixtures
- b. 3 or less fixtures
- c. 2 or more fixtures
- d. 6 or more fixtures

**11. "Areawide water quality management plan" means those plans prepared by the \_\_\_\_\_, including those plans prepared by agencies designated by the governor under the authority of ss. 281.11, 281.12 (1), 281.15, and 283.83, Stats., for the purpose of managing, protecting and enhancing groundwater and surface water of the state.**

**Note: See ch. SPS 382 Appendix for a list of water quality management agencies and their addresses.**

- a. Department of Safety and Professional Services
- b. Department of Natural Resources
- c. Department of Health
- d. None of the above [a,b or c]

**12. \_\_\_\_\_ means rock that is exposed at the earth's surface or underlies soil material and includes:**

**(a) Weathered in-place consolidated material, larger than 2 mm in size and greater than 50% by volume; and (b) Weakly consolidated sandstone at the point of increased resistance to penetration of a knife blade.**

- a. Solid Rock
- b. Base
- c. Bedrock
- d. Foundation

**13. \_\_\_\_\_ means a watertight receptacle built to arrest sediment of surface, subsoil or other waste drainage, and to retain oily or greasy wastes, so as to prevent their entrance into the building drain or building sewer.**

- a. Wash basin
- b. Catch basin
- c. Sink basin
- d. Hand basin

**14. \_\_\_\_\_ means wastewater contaminated by human body waste, toilet paper and any other material intended to be deposited in a receptor designed to receive urine or feces.**

- a. Blackwater
- b. Gray water
- c. Clear water
- d. None of the above [a, b or c]

**15. \_\_\_\_\_ means a method of venting 2 to 8 traps or trapped fixtures without providing an individual vent for each trap or fixture.**

- a. Course vent
- b. Expulsion vent
- c. Circuit vent
- d. Common vent

**16. "Bell" means the portion of a pipe that is enlarged to receive the end of another pipe of the \_\_\_\_\_ for the purpose of making a joint.**

- a. Larger diameter
- b. Smaller diameter
- c. Same diameter
- d. Minor diameter

**17. \_\_\_\_\_ means a part of a piping system other than a riser, main or stack.**

- a. Bough
- b. Branch
- c. Stem
- d. Vent system

**18. \_\_\_\_\_ means a structure for support, shelter or enclosure of persons or property.**

- a. Accessory structure
- b. Building
- c. Structure
- d. Composition

**19. \_\_\_\_\_ means a vent serving more than one fixture drain.**

- a. Vent system
- b. Vent stack
- c. Vent header
- d. Branch vent

**20. \_\_\_\_\_ means an accessible opening in a drain system used for the removal of obstructions.**

- a. Cleanout
- b. Drain
- c. Drum trap
- d. Desanco fitting

**21. \_\_\_\_\_ means wastewater other than storm water, having no impurities or where impurities are below a minimum concentration considered harmful by the department, including but not limited to noncontact cooling water and condensate drainage from refrigeration compressors and air conditioning equipment, drainage of water used for equipment chilling purposes and cooled condensate from steam heating systems or other equipment.**

- a. Clear water
- b. Graywater
- c. Blackwater
- d. None of the above [a, b or c]

**22. \_\_\_\_\_ means a building drain which conveys wastewater consisting in part of domestic wastewater.**

- a. Cesspool
- b. Building drain, sanitary
- c. Catch basin
- d. Cistern

**23. "Cold water" means water at a temperature less than \_\_\_\_\_.**

- a. 85° F.
- b. 90° F.
- c. 95° F.
- d. 100° F.

**24. \_\_\_\_\_ means a private water main that serves a fire protection system and any number of plumbing fixtures.**

- a. Combination main
- b. Private water main
- c. Combination private water main
- d. Dual water main

**25. \_\_\_\_\_ means any written permission from a municipality that allows construction to commence on a structure.**

- a. Construction permit
- b. Building permit
- c. Permit
- d. Occupancy permit

**26. \_\_\_\_\_ means a branch vent connecting at or downstream from the junction of 2 fixture drains and serving as a vent for those fixture drains.**

- a. Common vent
- b. Vent
- c. Vent stack
- d. Vent system

**27. "Building sewer, storm" means a building sewer which conveys storm water and clear water, but not both simultaneously.**

- a. True
- b. False

**28. "Burr" means a roughness or metal protruding from the walls of a pipe usually as the result of cutting the pipe.**

- a. True
- b. False

Review SPS 381.01(61) to 381.01(114)

for Questions 29 to 53

**29. \_\_\_\_\_ means the length of pipe line measured along the centerline of the pipe and fittings.**

- a. Developed piece
- b. Developed span
- c. Developed extent
- d. Developed length

**30. \_\_\_\_\_ means a drain pipe inside the building which conveys storm water from a roof to the storm drain or storm sewer.**

- a. Culvert
- b. Conductor
- c. Closet Bend
- d. Directional T Plumbing

**31. \_\_\_\_\_ means in reference to a pipe the nominal inside diameter of the pipe.**

- a. Diameter
- b. Breadth
- c. OD
- d. Girth

**32. "Continuous pressure" means a pressure greater than atmospheric and exerted for a period of more than \_\_\_\_\_ continuous hours.**

- a. 4
- b. 8
- c. 10
- d. 12

**33. \_\_\_\_\_ means a connection or potential connection between any part of a water supply system and another environment containing substances in a manner that, under any circumstances, would allow the substances to enter the water supply system by means of back siphonage or back pressure.**

- a. Check Valve
- b. Cross Union
- c. Cross tie
- d. Cross connection

**34. "Domestic wastewater" means the type of wastewater, including storm water, normally discharged from or similar to that discharged from plumbing fixtures, appliances and devices including, but not limited to sanitary, bath, laundry, dishwashing, garbage disposal, cleaning wastewaters and storm water.**

- a. True
- b. False

**35. "Dead end" means a branch leading from a drain pipe, vent pipe, building drain or building sewer and terminating at a developed length of \_\_\_\_\_ by means of a plug, cap or other closed fitting.**

- a. 1 foot or less
- b. 2 feet or more
- c. 1 foot or more
- d. 2 feet or less

**36. "Cross connection control device" means any mechanical device which \_\_\_\_\_ prevents backflow from a contaminated source into a potable water supply system.**

- a. automatically
- b. manually
- c. electronically
- d. mechanically

**37. "Drain" means any pipe that carries \_\_\_\_\_.**

- a. only wastewater
- b. only water-borne wastes
- c. wastewater or water-borne wastes
- d. None of the above [a, b or c]

**38. "Department" means the \_\_\_\_\_.**

- a. Department of Safety and Professional Services
- b. Department of Health
- c. Department of Regulation and Licensing
- d. Department of Natural Resources

**39. \_\_\_\_\_ means a structure, or that part of a structure, which is used or intended to be used as a home, residence or sleeping place by one person or by 2 or more persons maintaining a common household, to the exclusion of all others.**

- a. Dwelling
- b. Building
- c. Residence
- d. Abode

**40. "Effluent" means \_\_\_\_\_ discharged from a process, device, appurtenance or piping system.**

- a. fluid
- b. gaseous
- c. liquid
- d. semi-liquid

**41. "Fixture unit, supply" or "sfu" means a measure of the probable hydraulic demand on the \_\_\_\_\_ by various types of plumbing fixtures.**

- a. water supply
- b. gas supply
- c. sewer supply
- d. None of the above [a, b, or c]

**42. "Engineered system" means a system designed to meet the \_\_\_\_\_ of the code but not the enumerated specifications of the state plumbing code.**

- a. objective
- b. intent
- c. goal
- d. purpose

**43. "Experimental system" or "Experimental plumbing system" means a type of plumbing system from which valid and reliable data are being sought to demonstrate compliance with the intent of chs. SPS 382 to 384.**

- a. True
- b. False

**44. "Estimated wastewater flow" means the typical quantity of domestic wastewater generated \_\_\_\_\_ by a dwelling, building or facility.**

- a. daily
- b. weekly
- c. monthly
- d. yearly

**45. \_\_\_\_\_ means a receptor for the discharge from indirect or local waste piping installed with its flood level rim even with the surrounding floor.**

- a. Floor grate
- b. Floor drain
- c. Floor sink
- d. Floor float

**46. \_\_\_\_\_ means a device which discharges a predetermined quantity of water to fixtures for flushing purposes and is closed by direct water pressure.**

- a. Fixture supply
- b. Flapper valve
- c. Flushometer valve
- d. Float ball

**47. \_\_\_\_\_ means the effluent from the last POWTS treatment component.**

- a. Final effluent
- b. Final liquid
- c. Final sewage
- d. Final runoff

**48. "Freeze resistant sanitary yard hydrant" means a type of device serving as a hose bibb that has design features that minimize the risk of freezing, prevent groundwater contamination and provide backflow protection. The term "freeze resistant sanitary yard hydrant with backflow**

**protection" has the same meaning as freeze resistant sanitary yard hydrant.**

- a. True
- b. False

**49. \_\_\_\_\_ means a subsoil drain that serves the area of the foundation of a building.**

- a. French drain
- b. Fixture branch drain
- c. Fixture drain
- d. Foundation drain

**50. "Fixture supply connector" means that portion of water supply piping which connects a \_\_\_\_\_ to the water distribution system.**

- a. plumbing fixture
- b. appliance and plumbing fixture
- c. appliance or a piece of equipment
- d. plumbing fixture, appliance or a piece of equipment

**51. \_\_\_\_\_ means wastewater contaminated by waste materials, exclusive of urine, feces or industrial waste, deposited into plumbing drain systems.**

- a. Blackwater
- b. Graywater
- c. Clear water
- d. None of the above [a, b or c]

**52. "Fixture unit, drainage" or "dfu" means a measure of the probable discharge into the drain system by various types of plumbing fixtures. The drainage fixture unit value for a particular fixture depends \_\_\_\_\_.**

- a. on its volume rate of drainage discharge
- b. on the time duration of a single drainage operation
- c. on the average time between successive operations
- d. All the above [a, b and c]

**53. \_\_\_\_\_ means a receptacle designed to intercept and retain or remove grease or fatty substances.**

- a. French drain
- b. Grease drain
- c. Grease interceptor
- d. House trap

Review SPS 381.01(115) to 381.01(172)  
for questions 54 to 74

**54. "Health care plumbing appliance" means a plumbing appliance, the function of which is \_\_\_\_\_ health care activities.**

- a. unique to
- b. exclusive of
- c. distinctive to
- d. typical of

**55. "Infiltration component" means the plane within a treatment or dispersal component at which effluent is applied to in situ soil or engineered soil.**

- a. True
- b. False

**56. "In situ soil" means soil naturally formed or deposited in its present location or position and includes soil material that has been plowed using normal tillage implements and depositional material resulting from \_\_\_\_\_.**

- a. erosion
- b. flooding
- c. erosion or flooding
- d. None of the above [a, b or c]

**57. \_\_\_\_\_ means a situation where the water supply system could be contaminated with a toxic substance or solution so as to make the water unsuitable for the designated use.**

- a. High groundwater
- b. High hazard
- c. High exposure
- d. High vulnerability

**58. \_\_\_\_\_ means a plumbing appliance, the function of which is unique to scientific experimentation or research activities.**

- a. Scientific plumbing appliance
- b. Research plumbing appliance
- c. Experimental plumbing appliance
- d. Laboratory plumbing appliance

**59. \_\_\_\_\_ means a watertight receptacle for the collection and holding of wastewater.**

- a. Holding tank
- b. Holding cistern
- c. Holding reservoir
- d. None of the above [a, b or c]

**60. "Hot water" means water at a temperature of \_\_\_\_\_ or more.**

- a. 95° F
- b. 100° F
- c. 105° F
- d. 110° F

**61. "Leader" means a pipe or channel outside a building which conveys storm water from the roof or gutter drains to a \_\_\_\_\_.**

- a. storm drain
- b. storm sewer
- c. grade
- d. All the above [a, b and c]

**62. "Local vent" means a pipe connecting to a fixture and extending to outside air through which \_\_\_\_\_ is removed from the fixture.**

- a. vapor
- b. foul air
- c. vapor or foul air
- d. wastewater

**63. "Human health hazard" has the meaning specified under s. 254.01 (2), Stats.**

**Note: Section 254.01 (2), Stats., reads:**

**"Human health hazard" means a substance, activity or condition that is known to have the potential to cause acute or chronic illness or death if exposure to the \_\_\_\_\_ is not abated.**

- a. substance
- b. activity
- c. condition
- d. All the above [a, b and c]

**64. \_\_\_\_\_ means the principal pipe artery to which branches may be connected.**

- a. Manifold
- b. Multipurpose piping system
- c. No-Hub connector
- d. Main

**65. "Manhole" means an opening constructed to permit or deny access by a person to a sewer or any exposed above ground portion of a plumbing system.**

- a. True
- b. False

**66. \_\_\_\_\_ means drain piping which does not connect directly with the drain system, but which discharges into the drain system by means of an air break or air gap into a receptor.**

- a. P-trap
- b. Pressure vacuum breaker assembly
- c. Indirect waste piping
- d. Interceptor

**67. \_\_\_\_\_ means a connection between pipes, fittings or pipes and fittings by means of a device, coupling, fitting or adapter where compression is applied around the center line of the pieces being joined, but which is not caulked, threaded, soldered, solvent cemented, brazed or welded.**

- a. Plumbing Y-branch
- b. Mechanical joint
- c. Malleable fitting
- d. Vitreous joint

**68. "Occasional occupancy" means occupying a building that is served by a POWTS for less than \_\_\_\_\_ calendar days per year.**

- a. 120
- b. 145
- c. 160
- d. 180

**69. "Negative pressure" means a pressure \_\_\_\_\_ atmospheric.**

- a. more than
- b. less than
- c. equal to
- d. All the above [a, b and c]

**70. "Multipurpose piping system" means a water distribution system conveying water to plumbing fixtures and appliances and automatic fire sprinklers with the intention of serving \_\_\_\_\_.**

- a. domestic needs
- b. fire protection needs
- c. both domestic and fire protection needs
- d. None of the above [a, b or c]

**71. "Oil interceptor" means a device designed to intercept and \_\_\_\_\_.**

- a. retain oil
- b. lubricating grease
- c. other similar materials
- d. All the above [a, b and c]

**72. "Patient area plumbing fixture" means a plumbing fixture that is accessible to patients in a health care facility and is intended to be used for \_\_\_\_\_.**

- a. culinary purposes
- b. hygienic purposes
- c. culinary and hygienic purposes
- d. culinary, hygienic or domestic purposes

**73. "Peak flow, stormwater" means the \_\_\_\_\_ anticipated flow from a given storm event.**

- a. median
- b. largest
- c. smallest
- d. nominal

**74. "Nonpublic" means, in the classification of plumbing fixtures, those fixtures in \_\_\_\_\_, and other places where the fixtures are intended for the use by a family or an individual to the exclusion of all others.**

- a. residences
- b. apartments
- c. living units of hotels and motels
- d. All the above [a, b and c]

**75. "Pitch" means the gradient or slope of a line of pipe in reference to a vertical plane.**

- a. True
- b. False

**76. "Prefabricated plumbing" means open drain piping, vent piping or water supply or a combination of these types of piping, contained in a concrete building component, which will be visible for inspection when delivered to the final site of installation.**

- a. True
- b. False

**77. "POWTS" means a \_\_\_\_\_.**

- a. public onsite water treatment system
- b. private onsite water treatment system
- c. private onsite wastewater treatment system
- d. public onsite wastewater treatment system

**78. "Plumbing fixture" means a receptacle or device which meets \_\_\_\_\_ of the following:**

- (a) Is either permanently or temporarily connected to the water supply system of the premises, and demands a supply of water from the system;
- (b) Discharges wastewater or waste materials either directly or indirectly to the drain system of the premises.
- (c) Requires both a water supply connection and a discharge to the drain system of the premises.

- a. at least one
- b. two
- c. all
- d. None of the above answers [a, b or c]

**79. "Private interceptor main sewer" means a sewer serving \_\_\_\_\_ or more buildings and not part of the municipal sewer system.**

Review SPS 381.01(173) to 381.01(227)  
for questions 75 to 90

- a. one
- b. two
- c. three
- d. four

**80. "Public sewer" means a sewer \_\_\_\_\_.**

- a. Owned by a public authority
- b. Controlled by a private authority
- c. Owned and controlled by a private authority
- d. Owned and controlled by a public authority

**81. "Safing" means a membrane or material installed \_\_\_\_\_ a fixture to prevent leakage from escaping to the floor, ceiling or walls.**

- a. beneath
- b. within
- c. inside
- d. around

**82. "Scrub sink" means a plumbing fixture used for hand and arm washing prior to surgery or other medical procedures.**

***Note: A scrub sink may also be referred to as a surgeon washup sink.***

- a. True
- b. False

**83. "Private water main" means a water main serving \_\_\_\_\_ or more buildings and not part of the municipal water system.**

- a. One
- b. Two
- c. Three
- d. Four

**84. "Service sink" means a fixture designed to be used for building or facility maintenance.**

***Note: A service sink may also be referred to as a \_\_\_\_\_.***

- a. Mop sink
- b. Mop basin
- c. Janitor's sink
- d. All of the above [a, b and c]

**85. "Public water main" means a water supply pipe for public use \_\_\_\_\_.**

- a. owned by a private authority
- b. owned and controlled by a public authority
- c. owned and controlled by a private authority
- d. controlled by a public authority

**86. "Sewage" means wastewater containing fecal coliform bacteria exceeding 200 CFU, colony forming units, per 100 ml.**

- a. True
- b. False

**87. \_\_\_\_\_ means a connection in which one pipe slips into another, the joint of which is made tight with a compression type fitting.**

- a. Slip-joint
- b. Creep-joint
- c. Straight cross
- d. Sweating

**88. \_\_\_\_\_ means a commercial establishment or business place with a maximum daily wastewater flow rate of less than 5,000 gallons per day as determined from the design criteria of the state plumbing code. Small commercial establishment includes a farm, including a residence on a farm, if the residence is occupied by a person who is an operator of the farm and if the maximum daily wastewater flow rate of the farm and the residence on the farm is less than 5,000 gallons-per-day as determined from the design criteria of the state plumbing code.**

- a. Small commercial establishment
- b. Median commercial establishment
- c. Large commercial establishment
- d. None of the above [a, b or c]

**89. \_\_\_\_\_ means a vent which permits additional circulation of air in or between drain and vent systems.**

- a. Revent
- b. Reamer vent
- c. Relief vent
- d. Saddle vent

**90. "Roughing in" means the installation of all parts of the plumbing system which can be completed prior to the installation of fixtures including \_\_\_\_\_ and the necessary fixture supports.**

- a. Drain
- b. Water supply
- c. Vent piping
- d. All the above [a, b and c]

Review SPS 381.01(228) to 381.01(289)  
for questions 91 to 111

**91. \_\_\_\_\_ means the end of a pipe which fits into a bell or hub.**

- a. Valve
- b. Faucet
- c. Spout
- d. Spigot

**92. "Tempered water" means water ranging in temperature from \_\_\_\_\_.**

- a. 80° F to less than 115° F
- b. 85° F to less than 110° F
- c. 90° F to less than 115° F
- d. None of the above [a, b or c]

**93. \_\_\_\_\_ means a drain or vent pipe that extends vertically one full story or more.**

- a. Standpipe
- b. Stack
- c. Trap
- d. Sleeve

**94. \_\_\_\_\_ means a drain pipe serving as a receptor for the discharge wastes from indirect or local waste piping.**

- a. Standpipe
- b. Stack
- c. Trap
- d. Sleeve

**95. \_\_\_\_\_ means a combination relief valve designed to function as both a temperature relief and pressure relief valve.**

- a. Temperature valve
- b. Pressure relief valve
- c. Temperature and pressure relief valve
- d. Combination valve

**96. "State plumbing code" means chs. \_\_\_\_\_.**

- a. SPS 380 to 385
- b. SPS 381 to 386
- c. SPS 380 to 387
- d. SPS 381 to 387

**97. \_\_\_\_\_ means that part of a trap that forms a dam over which wastes must flow to enter the drain piping.**

- a. Trap weir
- b. Trip lever
- c. Tap Tee
- d. Tee

**98. \_\_\_\_\_ means a fitting, device or arrangement of piping so designed and constructed as to provide, when properly vented, a liquid seal which prevents emission of sewer gases without materially affecting the flow of wastewater through it.**

- a. Trap
- b. Trip lever
- c. Tee
- d. Tap tee

**99. "Sump pump" means a manually activated device located outside of a sump, pit or high point that is designed to elevate storm water, groundwater, sewage or clear water.**

- a. True
- b. False

**100. \_\_\_\_\_ means a pipe, other than a pipe located inside a building, that carries any of the following: storm water, groundwater or clear water.**

- a. Subsoil drain
- b. Storm sewer
- c. Soil stack
- d. Service tee

**101. \_\_\_\_\_ means a part of the plumbing system used to equalize pressures and ventilate the system.**

- a. Venturi
- b. Valve seat
- c. Vent
- d. Vacuum

**102. \_\_\_\_\_ means an assembly of fittings designed to eliminate the possibility of back siphonage in a system by allowing air to enter through a tee fitting.**

- a. Vacuum relief valve
- b. Valve seat
- c. Vacuum breaker tee
- d. Valve relief valve

**103. \_\_\_\_\_ means a branch vent which connects 2 or more stack vents or vent stacks or both and extends to the outside air.**

- a. Trap weir
- b. Vent header
- c. Trap tee
- d. Valve seat

**104. "Sump" means a \_\_\_\_\_ that receives wastewater that must be emptied by mechanical means.**

- a. tank
- b. pit
- c. tank or pit
- d. None of the above [a, b or c]

**105. \_\_\_\_\_ means a water closet attached to a wall in such a way that it does not touch the floor.**

- a. Washdown water closet
- b. Wall hydrant
- c. Wall mounted water closet
- d. None of the above [a, b or c]

**106. "Vent stack" means a vertical vent pipe that provides air for a drain stack of \_\_\_\_\_ or more branch intervals.**

- a. 2
- b. 3
- c. 4
- d. 5

**107. \_\_\_\_\_ means that portion of a vent pipe that receives the discharge from other fixtures.**

- a. Waste header
- b. Vent stack
- c. Wet vent
- d. Vent header

**108. "Water distribution system" means that portion of a water supply system from the building control valve to the connection of a \_\_\_\_\_, water using equipment or other piping systems to be served.**

- a. Plumbing appliance
- b. Plumbing fixture
- c. Fixture supply connector
- d. All the above [a, b and c]

**109. "Wastewater" means \_\_\_\_\_, domestic wastewater, industrial wastewater or any combination of these.**

- a. Sewage
- b. Storm water
- c. Clear water
- d. All the above [a, b and c]

**110. \_\_\_\_\_ means a vent connected to a drain stack for the purpose of preventing pressure changes in the drain stack.**

- a. Wye
- b. Yoke vent
- c. Waste arm
- d. Wet vent

**111. \_\_\_\_\_ means any heating device with piping connections to the water supply system that is intended to supply hot water for domestic or commercial purposes other than space heating.**

- a. Water heater
- b. Water service
- c. Water closet
- d. Water system

Review SPS 381.20 (Incorporation of Standards by Reference) for questions 112 to 120

**SPS 381.20 Incorporation of standards by reference.** (1) CONSENT. (a) Pursuant to s. 227.21 (2), Stats., the attorney general has consented to the incorporation by reference of the standards listed in sub. (3). (b) The codes and standards that are referenced in this chapter, and any additional codes and standards that are subsequently referenced in those codes and standards, shall apply to the prescribed extent of each such reference, except as modified by this chapter.

**Note:** Copies of the adopted standards are on file in the offices of the department and the legislative reference bureau. Copies of the standards may be purchased through the respective organizations listed in Tables 381.20-1 to 381.20-13.

**(3) ADOPTION OF STANDARDS.** The standards referenced in Tables 381.20-1 to 381.20-13 are hereby incorporated by reference into this chapter.

**Note:** The tables in this section provide a comprehensive listing of all of the standards adopted by reference in this code. For requirements or limitations in how these standards are to be applied, refer to the code section that requires compliance with the standard.

**(4) DEPARTMENT AUTHORITY.** A department interpretation of an adopted standard under this chapter shall supersede any differing interpretation by either a lower level jurisdiction or an issuer of the adopted standard.

**112. Through which Organization/Company would you find the referenced standards for Plastic Water Closet Bowls and Tanks?**

- a. Association of Home Appliance Manufacturers
- b. American National Standards Institute, Inc.
- c. American Society of Sanitary Engineering
- d. American Society of Mechanical Engineers

**113. Through which Organization/Company would you find the referenced standards for Stainless Steel Pipe?**

- a. American Society of Mechanical Engineers
- b. ASTM International
- c. American Water Works Association
- d. NSF International

**114. Through which Organization/Company would you find the referenced standards for Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures?**

- a. Steel Tank Institute
- b. Underwriters Laboratories Inc.
- c. American Society of Sanitary Engineering
- d. Factory Mutual Research Corp.

**115. Through which Organization/Company would you find the referenced standards for the Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, Specifications?**

- a. Underwriters Laboratories Inc.
- b. American Water Works Association
- c. American National Standards Institute, Inc.
- d. ASTM International

**116. Through which Organization/Company would you find the referenced standards for the Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings?**

- a. American Water Works Association
- b. ATSM International
- c. American Welding Society
- d. American National Standards Institute, Inc.

**117. Through which organization/Company would you find the referenced standards for Polyethylene Pressure Pipe and Fittings, 4 in. through 62 in., for Water Distribution?**

- a. ASTM International
- b. American Society of Mechanical Engineers
- c. American National Standards Institute, Inc.
- d. American Water Works Association

**118. Through which Organization/Company would you find the referenced standards for the Standard for the Installation of Private Fire Service Mains and Their Appurtenances?**

- a. American National Standards Institute, Inc.
- b. American Society of Mechanical Engineers
- c. National Fire Protection Association
- d. ASTM International

**119. Through which Organization/Company would you find the referenced standards for Plumbing Supply fittings?**

- a. Canadian Standards Association
- b. Factory mutual Research Corp.
- c. Cast Iron Soil Pipe Institute
- d. NSF International

**120. Through which Organization/Company would you find the referenced standards for Residential Wastewater Treatment Systems?**

- a. Canadian Standards Association
- b. NSF International
- c. Steel Tank Institute
- d. ASTM International

