Chapter 11 Quiz

Name: _____ **Date:** _____

Directions: Write the correct letter on the blank before each question.

_____ 1. Public water supply distribution systems are usually a function of: (466)

A. fire departments.
B. local contractors.
C. local government.
D. state government.

_____ 2. What is the BEST method for evaluating the capabilities of a private water supply distribution system? (467)

A. Photographs
B. In-person inspection
C. Reviewing documentation
D. Interviewing the property owner

_____ 3. Which of the following is used to move water from treatment facilities to distribution and use points? (470)

A. Suction
B. Reservoirs
C. Pressure tanks
D. Gravity systems

_____ 4. A hydrant is a component of a water: (472)

A. supply source.
B. piping system.
C. distribution system.
D. secondary feeders system.

_____ 5. Which type of water main is small enough to serve individual fire hydrants? (473)

A. Distributors
B. Primary feeders
C. Secondary feeders
D. Combination feeders

_____ 6. Fire flow tests determine: (479)

A. the way a fire moves through a building.
B. the rate of fire flow available for fire suppression.
C. how many hydrants are needed on a residential street.
D. the optimum time period for fire suppression at a specific location.

_____ 7. To perform fire flow tests, an inspector must have the ability to: (480)

A. read a set of building plans.
B. operate a static pressure valve.
C. operate a pitot tube and gauge.
D. calculate the costs related to water use.

_____ 8. The easiest way to determine how much water is flowing from a hydrant outlet is to: (482)

A. review the historical documentation.
B. read the manufacturer documentation.
C. ask the municipal water department engineer.
D. refer to prepared tables for nozzle/outlet discharge.

_____ 9. Residual pressure can be defined as enough ____ to overcome friction in a hydrant, branch pipe, or intake hose. (484)

A. flow
B. pressure
C. differentials
D. available water

_____ 10. Which of the following precautions is crucial during a fire flow test? (487)

A. Traffic control
B. Re-directing pedestrians
C. Only conduct tests at peak hours
D. Minimizing damage to public and private property

_____ 11. Which method can be used to compute fire flow test results? (490)

A. Jacobi method
B. Graphical analysis
C. Differential equations
D. Finite difference method