

Name: _____ Date: _____

1. Friction loss is affected by three factors. What is one of those?
 - a) Incident elevation
 - b) Hose diameter
 - c) Atmospheric pressure
 - d) Nozzle type
2. What should fire fighters do to avoid water hammer?
 - a) Open and close hydrants and nozzles sharply.
 - b) Never open a hydrant and a nozzle at the same time.
 - c) Never close a hydrant and a nozzle at the same time.
 - d) Open and close hydrants and nozzles slowly.
3. When referring to hose, what does the L stand for in LDH?
 - a) Limited
 - b) Left-hand
 - c) Large
 - d) Light
4. In jacketed fire hose, what function does the outer jacket serve?
 - a) It adds strength to withstand water pressure.
 - b) It adds the waterproof layer to the hose.
 - c) It provides a slick surface for maneuvering hose in buildings.
 - d) It provides a rough surface to grab on to.
5. What are non-threaded fire hose couplings called?
 - a) Ramos
 - b) Washerless
 - c) Storz
 - d) Lug and pin
6. What is the indicator notch on hose couplings that lines up when the threads are lined up to engage properly?
 - a) The Wilt score
 - b) The Higbee notch
 - c) The thread alignment arrow
 - d) The coupling alignment cross
7. What is the hose diameter used by most fire departments for heavy interior attack?
 - a) 3 1/4"
 - b) 3"
 - c) 2 3/4"
 - d) 2 1/2"

8. Generally speaking, how many gallons per minute does a 2 1/2" fire hose line flow?
- a) 350 b) 250 c) 175 d) 125
9. What is the hose called that is usually carried on a hose reel, is made of rubber, and flows only 40 to 50 gallons per minute?
- a) Booster hose b) Dumpster hose c) Fool's hose d) Attic hose
10. What is the design function of hard suction hose?
- a) Connecting to distant municipal hydrants c) Drafting water from a static source
b) Connecting to another pumper in relay d) Supplying a master stream device
11. What does a gated wye enable that a non-gated wye does not?
- a) Remote control of the valves inside by radio frequency from a distance
b) Regulating the flow to either side of the wye independently of the other side
c) Securing the wye from tampering by anyone without a special tool
d) Hose lines of unequal diameter to be connected to the two sides
12. What does a hose adaptor do?
- a) Connect two hose sections of equal diameter but differing threads
b) Connect two hose sections of unequal diameter but similar threads
c) Connect two hose sections of equal diameter and similar threads
d) Connect two hose sections of unequal diameter and differing threads
13. What type of appliance is used to attach a smaller hose to a larger one?
- a) An adaptor b) An engager c) A distributor d) A reducer
14. What description best fits a hose jacket?
- a) A soft rubber sheet c) A wound plastic coil
b) A stiff canvas patch d) A split metal cylinder

15. What type of valves are opened or closed by rotating a handle a quarter-turn?
- a) Gate b) Siamese c) Butterfly d) Post-indicating
16. Which coupling goes on the inside of a straight hose roll?
- a) The female b) The male c) Either d) It depends on the diameter
17. What locks the hose on the twin donut locking hose roll?
- a) A hose clamp c) An 18" section of strap
b) Loops of the hose itself d) An 18" section of rope
18. What is it called when an engine secures hose to a hydrant on the way in and lays supply line until it reaches its attack position?
- a) A water manifold b) A water thief c) An offensive attack d) A forward lay
19. When should the fire fighter attaching hose to the hydrant charge the supply line?
- a) As soon as possible
b) Not until the driver/operator's signal is received
c) After slowly opening the hydrant all the way
d) After ten full minutes from the time of drop-off
20. What is it called when supply hose beds on apparatus contain two different sections, usually loaded with dissimilar hose?
- a) A two-stage load b) A Detroit load c) A baffle bed d) A split hose bed

Answer Key

1. b
2. d
3. c
4. a
5. c
6. b
7. d
8. b
9. a
10. c
11. b
12. a
13. a
14. d
15. c
16. b
17. b
18. d
19. b
20. d