

2009-2006 UPC Update Quiz Questions

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5. As you find the correct answers, circle them on your printed sheet.

6. At the end of each chapter is an online quiz, which is exactly what you printed. Refer to your circled answers and click on the correct answer on the web quiz page.

7. Upon passing, you will proceed to the next chapter. If you do not pass a chapter test, you will start again at the beginning of that chapter.

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Quiz 1

Question 1: The term Air Chamber is adopted the 2009 UPC.

True
False

Question 2: A Bathroom Group must include bidet and a urinal.

True
False

Question 3: A Half Bath has is 2 ft 6 inches in length versus the standard 5 foot long tub.

True
False

Question 4: An Excess Flow Valve is designed to _____, when the fuel gas passing through exceeds a prescribed flow rate.

open
alarm
activate
divert to an overflow tank

Question 5: FOG is an acronym for _____.

Fats, oils, greases
air born water vapor at the dew point
For open garbage
Fuel Oil Gravity

Question 6: The minimum retention time for a gravity grease interceptor is _____ minutes.

- 10
- 20
- 30
- 45

Question 7: A gravity grease interceptor shall have at least _____ compartments.

- 2
- 3
- 4

code does not specify

Question 8: The minimum volume for a gravity grease interceptor is _____ gallons.

- 200
- 300
- 500

code does not specify

Question 9: A Grease Removal Device (GRD) mechanically removes FOG from the interceptor.

- True
- False

Question 10: A grease trap is designed to remove grease from a maximum of _____ fixtures.

- 1
- 3
- 5

Term removed from 2009 Code

Question 11: Hot water is defined to be at a temperature equal or greater than _____ deg. F.

- 120
- 130
- 140
- 150

Question 12: PVDF is acceptable for corrosive waste drainage systems.

- True
- False

Question 13: Which of the following statement about a Vented Flow Control Device is incorrect?

A VFCD must have an internal orifice to control flow rate.

A VFCD must be installed downstream from the hydro- mechanical grease interceptor.

A VFCD must have an air intake (vent) downstream from the orifice.
all of the above are correct.

Question 14: A water hammer arrester is a mechanical devices that prevents a plumber from "tweaking" the pipes with a 3 lb or larger sledge hammer.

- True
- False

Quiz 2

Question 1: Any waste that is generated shall be treated by a sewage treatment plant.

- True
- False

Question 2: ABS Cement may be used to repair cracks in an ABS Fitting only if a primer is used.

- True
- False

Question 3: The enlargement of a three (3) inch closet bend or stub to four (4) inches is considered to be an obstruction.

- True
- False

Question 4: All trenches _____ the footing of any building or structure and paralleling the same shall be at least _____ therefrom, or as approved in Section 301.1 of this code.

- Deeper than, 45 degrees
- Above to, 33 1/3 degrees
- Above to, 90 degrees
- Equal in depth to, 60 degrees

Question 5: A plastic pipe running through framing members to within 1 inch of the exposed framing shall be protected by a steel plate extending at least _____ beyond the outside diameter of the pipe.

- 3/4 inch
- 1 inch
- 1 1/2 inches
- 2 inches

Question 6: When is a shelf to protect piping required.

- Piping through a concrete wall.
- Piping through a concrete floor.
- Piping through a masonry wall.

All of above except when the hole is drilled or bored.

Question 7: A structural member weakened by cutting or notching does NOT need to be re-enforced or repaired.

True
False

Question 8: For new construction, all tubs placed on the 1st floor over a crawl space will need to be rat proofed with a metal collar or screen that has openings less than ___ in the least dimension.

1/8 inch
1/4 inch
1/2 inch
3/4 inch
1 inch

Question 9: When installing fixtures, they must be adequate support in accordance with

the latest UPC code
manufacturer's installation instruction
the requirements of the Authority Having Jurisdiction
all of the above
none of the above

Question 10: All trenches deeper than the footing of any building or structure and paralleling the same shall be at least _____ degrees.

33 1/3
45
66 2/3
not addressed in code

Question 11: The solvent cement transition between ABS and PVC building drain can be

ABS solvent
PCV solvent
either ABS or PCV
Only a listed transition solvent cement

Question 12: Which of the following alloys can be used for brazing?

soft solder, liquid point of 486 deg F
soft solder, liquid point 728 deg F
silver solder, liquid point 984 deg F
silver solder, liquid point 1021 deg. F

Question 13: A push-fit fitting is a mechanical fitting where the connection is

assembled by pushing the tube into the fitting which is sealed with an "O" ring.

True
False

Question 14: This method of welding involves the application of heat and pressure to the components, allowing them to fuse together forming a bond between the pipe and fitting.

True
False

Question 15: Which of the following are acceptable methods to join copper tubing and a fitting?

solder
brazing
flaring
pressed joint
all of the above

Question 16: Soil and drain pipes located shall be subjected to a standing water test of not less than _____ feet.

10
20
25
30

none, section deleted in 2009/2006 UPC codes

Quiz 3

Question 1: Plumbing fixtures shall be constructed with the following attributes except being or

Dense
porous surface
smooth
free from unnecessary concealed fouling surfaces

Question 2: Urinals shall have an average water consumption of not more than _____ gallons of water per flush.

1.0
1.5
2.0
2.25

Question 3: Nonwater urinals when installed shall have a water distribution line rough-in to the urinal location to allow for the installation of an approved backflow prevention device in the event of a retrofit.

True

False

Question 4: The following material may not be used for a wash tray or sink.

- concrete
- cement
- wood
- tile
- c and d

Question 5: A sheet-metal lined wooden bathtub can be installed in a house.

- True
- False

Question 6: A dry or chemical toilet can be installed in a house.

- Yes, any time
- No, not at anytime
- Yes, but first must be approved by the Health Officer.

Question 7: Connection of water and/or waste for an Ornamental fountain basin must be submitted for approval to the AHJ prior to installation.

- True
- False

Question 8: Special use fixtures. Special use fixtures shall be made of one of the following.

- Soapstone
- chemical stoneware
- copper-based alloy
- nickel-based alloy
- any of the above

Question 9: Which of the following shall not be used to make a special fixture.

- soapstone
- chemical stoneware
- copper-based alloy
- nickel-based alloy
- lead

Question 10: A toilet seat in a public rest is to be _____ type.

- round
- oval
- elongated
- square

Question 11: Commercial kitchen shall have a floor drain installed in accordance with Section

- 510.9
- 604.15
- 704.3
- 803.0

Question 12: Floors shall be sloped _____ floor drains.

- toward
- away from
- on a neutral plane
- any of the above

Question 13: Whirlpool pump access located in the crawl space shall be located no more than _____ feet from an access door, trap door or crawl hole.

- 10
- 15
- 20
- 30
- not specified

Question 14: The maximum temperature for a whirlpool bathtub is _____ degrees F.

- 110
- 120
- 130
- 140
- 150

Question 15: The water heater thermostat can be used as the control for regulating the maximum whirlpool bath temperature.

- True
- False

Question 16: The water temperature in a bidet shall not exceed _____ degs. F.

- 110
- 120
- 130
- 140
- 150

Quiz 4

Question 1: A fuel burning water heater may be installed in a closet located in the bedroom or bathroom several conditions are met. Which of the following is incorrect.

- The closet must have a listed gasketed door assembly
- The closet must have a self-closing door.
- The closet door must have a minimum fire rating of 1 hr.

The closet door must have threshold and bottom door seal.

Question 2: For appliances installed in an attic, the smallest allowed access opening is ____ x ____.

- 16 x 24
- 20 x 28
- 22 x 30
- 24 x 36

Question 3: Where the height of the passageway is less than 6 feet, the distance from the passageway access to the appliance shall not exceed ____ feet measured along the centerline of the passageway.

- 5
- 10
- 15
- 20
- none of the above

Question 4: The passageway for an appliance that is in the attic shall be unobstructed and shall have solid flooring not less than ____ inches wide from the entrance opening to the appliance.

- 16
- 18
- 22
- 24
- 30

Question 5: Work Platform: A level-working platform not less than ____ inches by ____ inches shall be provided in front of the service side of the appliance.

- 16 x 16
- 24 x 24
- 30 x 30
- 36 x 36

Question 6: For appliances located in an attic, a light along with a 120-volt receptacle shall be placed near the appliance. The light switch needs to be near the entry way.

- True
- False

Quiz 5

Question 1: Which of the following plumbing fixtures are exempt from cross-connection protection?

- lavatory faucets
- urinals

water closets
none of the above

Question 2: Nonpotable water systems shall have a yellow background with black uppercase lettering, with the words "CAUTION: NONPOTABLE WATER, DO NOT DRINK."

- "CAUTION: NONPOTABLE WATER. "
- "CAUTION: NON-DRINKABLE WATER, DO NOT DRINK."
- "CAUTION: DO NOT DRINK."

Question 3: Nonpotable piping shall be labeled every ____ feet.

- 10
- 20
- 40
- not required

Question 4: Nonpotable piping shall indicate normal direction of flow.

- True
- False

Question 5: Each outlet on the nonpotable water line that is used for special purposes shall be posted with black uppercase lettering as follows:

- "CAUTION: NONPOTABLE WATER, DO NOT DRINK."
- "CAUTION: NONPOTABLE WATER, "
- "CAUTION: NON-DRINKABLE WATER, DO NOT DRINK."
- "CAUTION: DO NOT DRINK."

Question 6: What party is responsible to properly maintain backflow devices in good working order.

- the plumber
- the maintenance crew
- an outside contractor
- the person or person having control over such devices or assemblies

Question 7: The minimum inspection time between testing a backflow device is _____?

- 6 months
- 1 year
- 3 years
- not addressed in the code

Question 8: Testing of a backflow assemble shall be preformed by _____?

- a. the plumber

- b. the maintenance crew
- c. an outside contractor
- d. a certified backflow assembly tester

Question 9: In cold climate areas, backflow assemblies and devices shall be protected from freezing with _____ or by a method acceptable to the Authority Having Jurisdiction.

- an outdoor enclosure
- heat tape
- circulating of hot glycol
- assemblies must be placed inside the structure which is maintained at a minimum of 60 deg. F.

Question 10: What method is to be used to size the drain lines serving backflow devices.

- A standard 1" drain line should be used.
- The drain line should be the same size as the incoming service line.
- The drain line should be the same size as the building's drain line.
- The drain line size is determined from the manufactures flow charts for such devices.

Question 11: A plumbing fixture may be installed which compromises the backflow prevention requirement of ASME A112.18.1.

- True
- False

Question 12: Single wall heat exchangers can be used in the following cases.

- indirect fired water heaters
- refrigerant based heat recovery operations
- glycol based solar heating
- all of the above
- none of the above

Question 13: Double-walled heat exchangers shall separate the potable water from the heat transfer medium by providing a space between the two walls, which is vented to the atmosphere.

- True
- False

Question 14: The individual connection of the dialysis related equipment to the dialysis pure water system do not require additional backflow protection.

- True

False

Question 15: Potable water supply to swimming pools, spas and hot tubs shall be protected by an air-gap or a reduced pressure principle backflow preventer.

- True
- False

Question 16: The colors for Copper Water Tube Type K is _____.

- green
- blue
- red
- yellow

Question 17: The colors for Copper Water Tube Type L is _____.

- green
- blue
- red
- yellow

Question 18: The colors for Copper Water Tube Type M is _____.

- green
- blue
- red
- yellow

Question 19: Plastic materials for water service piping outside underground shall have a tracer wire or other approved conductor installed adjacent to the piping. The wire must be:

- blue in color
- at least 18 AWG
- suitable for direct burial
- all of the above
- none of the above

Question 20: A water regulator shall be installed where static water pressure in the water supply piping is in excess of _____ psi.

- 60
- 80
- 100
- 120

Question 21: A water regulator shall reduce pressure so that it does not exceed _____ psi.

- 60
- 80

100
120

Question 22: An expansion tank is installed on a building water system downstream of the following device.
check valve
backflow preventer
any other normally closed device
all of the above

Question 23: Instantaneous water heater with an inside diameter less than 3 inches do not require a PT relief valve.
True
False

Question 24: A relief valve drain may be small than the relief valve outlet.
True
False

Question 25: A relief valve drain that terminates outside of a building must be at least _____ above the ground and less than _____ above the ground.
½ ft and 2 feet
2" and 1 ft.
1 ft and 3 ft.
16" and 36 "

Question 26: The relief valve drain shall point _____.
side ways
upwards
down wards

Question 27: A relief valve drain is permitted to terminate in a building's crawl space.
True
False

Question 28: No part of a relief valve drain can be trapped or can be subject to freezing.
True
False

Question 29: The terminal end of a relief valve drain is permitted to be threaded.
True
False

Question 30: Water hammer arresters must be installed as close as possible to quick-acting valves.
True
False

Quiz 6

Question 1: Which of the following is permitted for sanitary drainage piping.
cast iron
lead
stainless steel 304 and 316L
extra strength vitrified clay pipe
all of the above

Question 2: Stainless Steel 304 pips for sanitary drainage pipe is permitted to be installed underground.
True
False

Question 3: Fittings made from Stainless Steel 304 may be used for drainage if installed above ground.
True
False

Question 4: For continuous flow into a drainage system, ____ fixture units shall be allowed for each gallon per minute of flow.
1
2
3
4
5

Question 5: Plugs for cleanouts must have either a raised square head or approved countersunk rectangular slots.
True
False

Question 6: An additional cleanout shall be provided in a drainage line for each aggregate horizontal change of direction exceeding _____ degrees
90
120
135
180

Question 7: A backwater valve is required
when a fixture is installed on a floor level that is lower than the next upstream manhole cover

on all 3 story buildings
in all buildings in a flood zone
in all waste drainage systems permitted
after July 1, 2007.

Question 8: Grinder pumps shall be permitted to be used in waste drainage systems.
True
False

Question 9: The discharge piping shall be sized per the manufacturer's instructions and shall be not less than _____ diameter.
1
1 ¼
1 ½
2
2 ½

Question 10: A check valve and shutoff valve shall be located within the discharge line.
True
False

Question 11: Listed macerating toilet systems shall be permitted as an alternate to a sewage pump system.
True
False

Question 12: The Authority Having Jurisdiction shall review before approval of the installation of a commercial food waste grinder connecting to a private sewage disposal system.
True
False

Quiz 7

Question 1: Condensate from a condensing furnace may be discharged into a drainage system made from the following:
cast iron
galvanized iron
plastic
all of the above

Question 2: Air-conditioning condensate waste pipes shall connect indirectly to the drainage system through an airgap or airbreak to a properly trapped and vented receptor.
True

False

Question 3: Air conditioning condensate is allowed to drain over a public way.
True
False

Question 4: Which of the following materials can not be used for vent pipe if below ground.
cast iron
brass
SS 304
galvanized steel
galvanized wrought iron

Question 5: The minimum size wet vent for a bathroom wet vent with 4 dfu is _____.
1 ½ inch.
2 inch
3 inch
4 inch

Question 6: The minimum size wet vent for a bathroom wet vent with more than 4 dfu is _____.
1 ½ inch
2 inch
3 inch
4 inch

Question 7: An accessible cleanout shall be installed in each vent for the combination waste and vent system.
True
False

Question 8: Cleanouts may not be required on any wet vented branch serving a single trap when the fixture tailpiece or connection is not less than three (3) inches in diameter and provides ready access for cleaning through the trap.
True
False

Quiz 8

Question 1: How many approved slip joint fittings may be used on the outlet side of a tap?
1
2
3
code does not address

Question 2: Only listed plastic trap adapters may be used to connect listed metal tubing traps.

True
False

Question 3: A trap which depends for its seal upon the action of movable parts may be used.

True
False

Question 4: S traps, bell traps and crown-vented traps may be used.

True
False

Question 5: Fixtures may be double trapped.

True
False

Question 6: Drum and Bottle traps can be installed for any condition.

True
False

Question 7: No trap can be installed without a vent.

True
False

Question 8: Slaughterhouse, packing establishments and similar types of enterprises shall be connected to an approved grease interceptor.

True
False

Question 9: A grease interceptor is not required for individual dwelling units or any private living quarters.

True
False

Question 10: Water closets, urinals, and other plumbing, fixtures conveying human waste shall not drain into or through the grease interceptor.

True
False

Question 11: Individual grease interceptors shall be trapped and vented in an approved manner.

True

False

Question 12: A commercial dishwasher shall discharge into a grease interceptor.

True
False

Question 13: A commercial food waste disposers is permitted to discharge directly into the building's drainage system without going through a grease interceptor.

True
False

Question 14: A vent shall be installed _____ of hydro-mechanical grease interceptors in accordance with the requirements of this code.

upstream
on the unit
downstream
none, not required

Question 15: Toilets, urinals, and other similar fixtures shall not drain through the interceptor.

True
False

Question 16: Grease latent waste water shall enter the grease interceptor through the inlet pipe only before being discharged into the sanitary drainage system.

True
False

Question 17: Which of the following is not a requirement in the location of a grease interceptor?

located within 20 feet of the property line
located to be easily accessible for inspection
located to be easily accessible for cleaning
located to be easily accessible for removal of intercepted grease

Question 18: A grease interceptor is to be located in any part of a building where food is not handled.

True
False

Question 19: Interceptors shall be placed _____ to the fixtures they serve.

as close as practical

within 10 feet
within 20 feet
anywhere within the property lines of the building

Question 20: Two restaurants, sitting on adjacent properties may share the same grease interceptor.
True
False

Question 21: The main purpose of a gravity grease interceptor is to _____.
remove grease from effluent.
allow solids to settle out to the bottom of the interceptor.
act as a overload storage container for peak flows.
meter in effluent at a reduced by standard rate into the sewer system.

Question 22: When designing a gravity grease interceptor, if the drainage fixture units (DFU's) are not known, the interceptor shall be sized based on _____.
an establishment of similar size
an establishment of similar usage
physical space available to install such an interceptor
on the maximum DFU's allowed for the pipe size connected to the inlet of the interceptor

Question 23: Abandoned grease interceptors may be left undisturbed.
True
False

Question 24: The purpose of expanded section of 1015.1 FOG Disposal System is to provide necessary criteria for _____.
sizing
application
installation
all of the above
none of the above

Question 25: The maximum allowed FOG discharging from a FOG Disposal System is _____.
100 mg/l
200 mg/l
500 mg/l
1000 mg/l

Quiz 9

Question 1: Which of the following materials may NOT be used for rainwater piping placed within the interior of a building and installed underground.

cast iron
copper
lead
304 stainless steel

Question 2: The scupper opening shall be a minimum of _____" high and have a width equal to the circumference of the roof drain.

2
4
6
8

Question 3: The minimum distance that a secondary roof drain shall be located above the roof surface is _____ inches.

$\frac{1}{2}$
1
2
3
4

Question 4: The secondary roof drainage system shall be a separate system of piping, independent of the primary roof drainage system.

True
False

Question 5: The discharge shall be _____ grade, in a location observable by the building occupants or maintenance personnel.

above
on a level
below

Question 6: Secondary roof drain system shall be sized at 150% of the rainfall rate for which the primary system is sized.

True
False

Question 7: The combined secondary and primary roof drain systems shall be sized at 3 times the rainfall rate for the local area.

True
False

Question 8: The following materials is NOT to be used for inside of conductors is installed below ground.

Type M seamless copper water tube
hubless cast-iron soil pipe
stainless steel 304 pipe
Schedule 40 PVC plastic pipe

Question 9: The following material may be used for construction of a leader.

Type M seamless copper water tube
hubless cast-iron soil pipe
stainless steel 304 pipe (if above ground)
Schedule 40 PVC plastic pipe
all of the above

Quiz 10

Question 1: An excess flow valve is sized on the _____ flow anticipated for the main or branch of the fuel gas system in which the excess flow valve is installed.

minimum
maximum
average

Question 2: The section of the UPC that addresses Mitered Bends is _____.

1211.5.3
no longer referenced

Question 3: Chapter 13 covers Health Care Facilities and Medical Gas and Vacuum Systems. Does this chapter apply to breathing air replenishment (BAR) systems.

Yes
No

Question 4: Which of the following is no longer included in Chapter 13 Health Care Facilities and Medical Gas and Vacuum Systems.

oxygen
nitrogen
nitrous oxide
helium
medical air

Question 5: Industrial grade nitrogen may be used for brazing medical gas lines.

True
False

Question 6: Type L may be used in operating pressures below _____ psig.

110
185
210

Question 7: Type K must be used for sizes larger than _____ inch.

$\frac{3}{4}$
1
1 $\frac{1}{4}$
3 $\frac{1}{8}$

Question 8: Vacuum systems may be constructed of the following materials except _____.

hard drawn water tube Type K
hard drawn water tube Type L
hard drawn water tube Type M
Stainless steel

Question 9: Turns, offsets, and other changes in direction in welded or brazed medical gas and vacuum piping shall be made with brazed wrought-copper capillary fittings complying

ASME B16.22.
ASME B16.50
either a or b
neither a or b

Question 10: Which of the following methods can be used to join tubing together.
brazed joints.

axially sage, elastic strain preload fittings
grooved joints rated by manufacturer
mechanically pressed and grooved joints
a and b only

Question 11: Which of the following joints are allowed in medical gas and vacuum distribution pipelines.

flared connections
compression type connections
straight-thread connections including unions
all of the above
none of the above

Question 12: Piping risers shall be permitted to be installed in pipe shafts if protected from _____

physical damage
effects of excessive heat
corrosion
contact with oil
all of the above

Question 13: Piping shall not be installed in
kitchens
elevator shafts
elevator machine rooms
areas with open flames
all of the above

Question 14: When medical gas piping is installed in a service trench or tunnel with electrical lines, the trench or tunnel

_____.
must be ventilated (naturally or mechanically)
ambient temperature must be below 130 deg. F
both a and b
neither, medical gas piping must be the only element in the trench or tunnel

Question 15: Medical gas piping that is installed underground and with a cover must

have access for at the joints for visual inspection and leak testing
be self-draining
constructed of ABS plastic or equivalent
be orange in color
only a and b of above

Question 16: Typically, the minimum backfilled cover above the top of the enclosure for buried piping outside of buildings shall _____.

18 inches
24 inches
36 inches
48 inches

Question 17: A continuous warning marker for under piping shall be placed

6 inches below grade
at ½ the burial depth
immediately above the enclosure
b and c

Question 18: Brazed joints shall use a brazing filler metal that melts in excess of _____ deg. F.

1000
1125
1127
1309

Question 19: Brazing flux is required _____.

on all joints
on copper to copper joints
only dissimilar metal joints
never

Question 20: The recommended methods for cleaning exterior tub ends prior to brazing is _____

use clean Non-shedding -abrasive pads
steel wool
sand cloth
all of the above

Question 21: After being abraded, the surfaces of the exterior of the tub shall be wiped using

a clean paper towel
a clean, lint-free white cloth
an oil free industrial wiping cloth
all of the above

Question 22: Joints shall be brazed within _____ hours after the surfaces are cleaned for brazing.

1
2
3
8

Question 23: When brazing, a purge gas of _____ will need to be used to prevent the formation of copper oxide on the inside surfaces of the joint.

oxygen
nitrogen, dry, oil-free
filtered air
neon

Question 24: A pressure regulator alone can be used to control the purge gas.

True
False

Question 25: Prior to brazing, a test using _____ is used to ensure that all the ambient air has been removed from the pipeline.

combustible meter
halide leak detector
ultra-sonic meter
none of the above

Question 26: When brazing, an opening to allow the purge gas to escape is required to be at the opposite end of the pipeline from the inlet of the purge gas.

True
False

Question 27: The flow of purge gas shall continue until _____.
the brazing material solidifies
5 minutes after brazing is continued
the joint is cool to the touch
all of the above

Question 28: When using the autogenous orbital welding process, joints shall NOT be continuously purged inside and outside with inert gas (es) in accordance with the qualified welding procedure.
True
False

Quiz 11

Question 1: Pipe labels shall be at intervals not more than _____ feet.
10
15
20
25
30

Question 2: Pipe labels shall appear at least _____ in every room.
1
2
3
not addressed in code

Question 3: Pipe labels shall appear on both sides of walls or partitions penetrate by the piping.
True
False

Question 4: Code requires that visual indicators must remain in alarm until the situation that has caused the alarm is resolved.
True
False

Question 5: At 3 feet away from the alarm, how loud must the alarm be.
75 Db
80 Db
90 Db
100 Db

Question 6: Re-initiation of the audible signal if another alarm condition occurs

while the audible alarm is silenced is required.
True
False

Question 7: If room numbers are changed, the labeling of alarms corresponding to those room numbers must also be changed in a similar matter.
True
False

Question 8: The minimum number of air compressors for medical air is _____.
1
2
3
not addressed by code

Question 9: Pressure relief valves shall be set at _____ above line pressure.
50%
100%
200%
250%

Question 10: The minimum distance that a compressor air intake shall be from any door, window, exhaust, or other intake is _____ ft.
10
20
30
50

Question 11: The minimum distance that a compressor air intake shall be from above the ground is _____ ft.
10
20
30
50

Question 12: When penetrating a fire-resistance-rated wall, partition, floor, floor-ceiling assembly, roof-ceiling assembly, or shaft enclosure, the fire resistance rating of the assembly shall be restored to its original rating.
True
False