

Quiz: Site and Mechanical Hazards

- 1)** A worker is pulling wire at large ground-mounted PV installation site near Tampa, FL. What is the minimum quantity of cool potable water that their employer must provide throughout the day?
 - a) Five gallons per day
 - b) One cup per hour
 - c) One gallon per hour
 - d) One pint per hour
 - e) Unlimited access to cool water

- 2)** Which of the following equipment is below the OSHA permissible decibel exposure limit, and therefore does NOT require hearing protection when working within the vicinity?
 - a) central inverter in operation
 - b) pile driver
 - c) impact driver
 - d) forklift
 - e) bulldozer

- 3)** If it takes less than _____ to hear thunder after seeing a lightning flash, lightning is near enough to pose a threat.
 - a) 30 minutes
 - b) 10 seconds
 - c) 30 seconds
 - d) 1 minute
 - e) 1 second

- 4)** True or False: Flammable chemicals may be found on a PV installation site.

- 5)** What percentage of struck-by fatalities involve heavy equipment?
 - a) 100%
 - b) 50%
 - c) 25%
 - d) 95%
 - e) 75%

- 6)** Rate the following controls by effectiveness, with 1 being the most effective, and 5 being the least effective.
- a) ____ warnings
 - b) ____ engineering controls
 - c) ____ PPE
 - d) ____ elimination or substitution
 - e) ____ trainings and procedures
- 7)** True or False: Standard eye glasses are acceptable as PPE.
- 8)** Which type of hard hat is acceptable for high-voltage shock and burn protection?
- a) Class C
 - b) Class D
 - c) Class E
 - d) Class G
 - e) Class F
- f) Which of the following construction safety signs is required in major hazard situations where an immediate hazard presents a threat of death or serious injury?
- a) Danger
 - b) Caution
 - c) Beware
 - d) Warning
 - e) Stop
- 9)** To protect workers from excavation hazards, all materials and equipment must be kept at least _____ from the edge of the excavation.
- a) 1 foot
 - b) 2 feet
 - c) 3 feet
 - d) 6 inches
 - e) 6 feet
- 10)** It is necessary to _____ *before* performing any kind of excavation work.
- a) choose the correct stepladder
 - b) erect shade structures for sun protection
 - c) locate module and equipment staging areas
 - d) determine the location of underground utilities
 - e) install fences

- 11)** Which is the correct color code indicating the presence of underground gas, oil, steam, petroleum, or gaseous materials?
- a) White
 - b) Pink
 - c) Red
 - d) Yellow
 - e) Orange
- 12)** Trenches must be inspected by a _____ person every day.
- a) Qualified
 - b) Authorized
 - c) Competent
 - d) Reasonable
 - e) Senior
- 13)** True or False: Anyone working on a PV installation site may operate a forklift.
- 14)** In order to choose the correct duty rating of a stepladder, it is important to consider the weight of the worker and _____.
- a) all PV racking system components
 - b) the manufacturer of the stepladder
 - c) the material of the stepladder
 - d) the weight of any equipment
 - e) the color of the stepladder