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