

## Post-Test Hazards of Excavations

1. The greatest risk from excavations is cave-ins.
  - a. True
  - b. False
2. A competent person needs to inspect trenches daily.
  - a. True
  - b. False
3. Work done in a trench can cause an atmospheric hazard.
  - a. True
  - b. False
4. Water causes the sides of an excavation to become less stable.
  - a. True
  - b. false
5. How far away do spoil piles need to be?
  - a. 5 feet
  - b. 8 feet
  - c. 2 feet
  - d. 10 feet
6. All the following can cause a cave-in except:
  - a. Water
  - b. Heavy equipment near by
  - c. Spoil pile to close to excavation
  - d. Inspection by competent person
7. Carbon Monoxide bonds with the cells hemoglobin:
  - a. The same as oxygen's
  - b. 200 times stronger than oxygen's bond
  - c. 20 times tighter than oxygen's bond
  - d. None of the above
8. Room oxygen content is:
  - a. 23%
  - b. 19.5%
  - c. 21%
  - d. 25%

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9. How many amps does it take to cause cardiac arrest?
- 1 A
  - 50 mA
  - 4 A
  - 75 mA
10. Safe access and egress to all excavations is required:
- Within 50'
  - Within 25'
  - Within 10'
  - Every 40 feet
11. Ergonomics is:
- The study of soil
  - The classification of soil
  - Study of how environmental factors affect the body
  - All the above
12. Equipment close to excavations can cause all the following except:
- Carbon monoxide build up
  - cave-in
  - Equipment falling into trench
  - Stabilize the wall by vibrating soil around excavation
13. How many types of cave-in protection are there?
- 4 main types
  - 3 main types
  - 1 main type
  - 2 main types
14. How much does a cubic yard of soil weigh?
- 3000 lbs.
  - 2000 lbs.
  - 100 lbs.
  - 1000 lbs.
15. How many workers died in cave-ins from 2000 through 2006?
- 300
  - 450
  - 271
  - 200

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