

## Pre-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. How far away do spoil piles need to be?
  - a. 5 feet
  - b. 8 feet
  - c. 2 feet
  - d. 10 feet
4. 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
5. 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
6. Room oxygen content is:
  - a. 23%
  - b. 19.5%
  - c. 21%
  - d. 25%
7. How many amps does it take to cause cardiac arrest?
  - a. 1 A
  - b. 50 mA
  - c. 4 A
  - d. 75 mA

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8. Safe access and egress to all excavations is required:
  - a. Within 50'
  - b. Within 25'
  - c. Within 10'
  - d. Every 40 feet
  
9. Ergonomics is:
  - a. The study of soil
  - b. The classification of soil
  - c. Study of how environmental factors affect the body
  - d. All the above
  
10. Equipment close to excavations can cause all the following except:
  - a. Carbon monoxide build up
  - b. Cave in
  - c. Equipment falling into trench
  - d. Stabilize the wall by vibrating soil around excavation

Susan Harwood SH-7

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