

Pre-Test Protective Systems

Name: _____

Date: _____

1. Benching can be used in type c soils
 - a. True
 - b. False
2. One type of acceptable shoring is hydraulic
 - a. True
 - b. False
3. The deepest Excavation you can use benching or sloping is
 - a. 12 feet
 - b. 15 feet
 - c. 20 feet
 - d. There is no limit on depth of excavation
4. Sloping can be used on
 - a. A soils only
 - b. A, and B soils only
 - c. A, B, and C soils
 - d. None of the above
5. The sloping angle on a stable rock excavation
 - a. 90°
 - b. 45°
 - c. 53°
 - d. 34°
6. Shoring should be installed
 - a. From the top down
 - b. From the bottom up
 - c. Around only loose material
 - d. None of the above
7. Shoring
 - a. Can only be timber
 - b. Does not support the face of the excavation
 - c. Is only used with sloping
 - d. Adjustable to various depths and widths of the excavation

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8. Shielding
 - a. Is designed to take lateral movement
 - b. Designed to protect from cave-ins
 - c. Can be subjected to loads greater than what it was designed to withstand
 - d. None of the above

9. Trench boxes
 - a. Can be stacked
 - b. Highly adjustable to meet various depths and widths of the excavation
 - c. Have to have the soil level even with the top of the box
 - d. None of the above

10. Spoil piles need to be
 - a. No closer than 1 foot away from excavation edge
 - b. No closer than 18 inches away from excavation edge
 - c. placed so that it cannot accidentally run, slide, or fall back into the excavation
 - d. Taken off site

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