

## Post-test Soil Classification

1. Benching is an acceptable form of protection in type C soil.
  - a. True
  - b. False
2. Sloping is the only acceptable form of protection in an excavation.
  - a. True
  - b. False
3. A visual test is good enough to decide a soil type for that excavation.
  - a. True
  - b. False
4. In stable rock such as granite or sandstone, the walls can be vertical.
  - a. True
  - b. False
5. At what depth do you need a protective system in trenches?
  - a. 3 feet
  - b. 4 feet
  - c. 5 feet
  - d. 10 feet
6. What is the angle of excavation for stable rock?
  - a. 45°
  - b. 65°
  - c. 75°
  - d. 90°
7. Type A soil is:
  - a. Solid rock
  - b. Clay like soil
  - c. Sand
  - d. None of the above
8. Stable rock is:
  - a. Natural solid mineral matter that can be excavated with vertical sides and remain intact while exposed
  - b. Same as type a
  - c. Same as type b
  - d. None of the above

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9. Type B soil is:
- Solid rock
  - Clay like soil, that has been disturbed
  - Sand
  - None of the above
10. Type C soil is:
- Solid rock
  - Clay like soil
  - Sand
  - None of the above
11. If the thumb makes an indentation in the soil only with great difficulty, the soil is probably:
- Type a
  - Type b
  - Type c
  - Stable rock
12. How much does a cubic yard of soil weigh?
- 3000 lbs.
  - 1000 lbs.
  - 500 lbs.
  - 10000 lbs.
13. What is a penetrometer?
- Instrument that uses blades that are pressed into soil to define comprehensive strength
  - Instrument used to determine the unconfined compressive strength of soil
  - A piece of equipment used to identify different hazardous materials in the soil
  - None of the above
14. What is a shearvane?
- Instrument that uses blades that are pressed into soil to define comprehensive strength
  - Instrument used to determine the unconfined compressive strength of soil
  - A piece of equipment used to identify different hazardous materials in the soil
  - None of the above
15. Where soils are configured in layers, i.e., where a layered geologic structure exists, the soil must be classified:
- As the strongest soil
  - As the weakest soil
  - As a class c soil only
  - None of the above

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