

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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