Pre-Test Soil Classification

1. Benching is an acceptable form of protection in type C soil.
   a. True  
   b. False

2. At what depth do you need a protective system in trenches?
   a. 3 feet  
   b. 4 feet  
   c. 5 feet  
   d. 10 feet

3. What is the angle of excavation for stable rock?
   a. 45°  
   b. 65°  
   c. 75°  
   d. 90°

4. Type A soil is:
   a. Solid Rock  
   b. Un-disturbed Clay like Soil  
   c. Sand  
   d. None of the above

5. Type B soil is:
   a. Solid Rock  
   b. Clay like Soil, that has been disturbed  
   c. Sand  
   d. None of the above

6. Type C soil is:
   a. Solid Rock  
   b. Clay like Soil  
   c. Sand  
   d. None of the above

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7. Where soils are configured in layers, i.e., where a layered geologic structure exists, the soil must be classified (ex. you have type b over type c):
   a. As the strongest soil
   b. As the weakest soil
   c. As a class c soil only
   d. None of the above

8. How much does a cubic yard of soil weigh?
   a. 3000 lbs.
   b. 1000 lbs.
   c. 500 lbs.
   d. 10000 lbs.

9. What is a penetrometer?
   a. Instrument that uses blades that are pressed into soil to define comprehensive strength
   b. Instrument used to determine the unconfined compressive strength of soil
   c. A piece of equipment used to identify different hazardous materials in the soil
   d. None of the above

10. What is a shearvane?
    a. Instrument that uses blades that are pressed into soil to define comprehensive strength
    b. Instrument used to determine the unconfined compressive strength of soil
    c. A piece of equipment used to identify different hazardous materials in the soil
    d. None of the above