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<input type="checkbox"/>	1	Excavations Safety - 29CFR1926P	Tester@company.com	320	330	264	True	Delete

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Question	Question Type	Points	User's Response(s)	Correct Answer
1. Inspections of excavations, the adjacent areas, and protective systems shall be made by a _____ for evidence of a situation that could result in possible cave-ins, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions.	Multiple Choice (Single Answer)	10	Competent Person	Competent Pers
2. Adequate precaution shall be taken such as providing ventilation, to prevent employee exposure to an atmosphere containing a concentration of a flammable gas in excess of ____ percent of the lower flammable limit of the gas. Hint: AMEC number is 10 percent	Multiple Choice (Single Answer)	10	20 percent	20 percent
3. If water is controlled or prevented from accumulating by the use of water removal equipment, the water removal equipment and operations shall be monitored by a _____ to ensure proper operation.	Multiple Choice (Single Answer)	10	Competent Person	Competent Pers
4. Where the stability of adjoining buildings, walls, or other structures is endangered by excavation operations, support systems such as shoring, bracing, or underpinning shall be provided to ensure the stability of such structures for the protection of employees, excavation below the level of the base or footing of any foundation or retaining wall that could be reasonably expected to pose a hazard to employees shall not be permitted except when:	Multiple Choice (Single Answer)	10	All options are correct	All options are c
5. You can excavate up to ____ feet below the bottom of the members of a support system if the system is designed to resist the forces calculated for the full depth of the trench, and there are no indications while the trench is open of a possible loss of soil from behind or below the bottom of the support system.	Multiple Choice (Single Answer)	10	2	2
6. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations so as to require no more than _____ feet of lateral travel for employees.	Multiple Choice (Single Answer)	10	25	25
7. "Competent person" means one who is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.	True / False	10	Correct	Correct
8. You are excavating in dry unstable rock. What type of soil is this?	Multiple Choice (Single Answer)	10	Type B	Type B

9. Please match MAXIMUM ALLOWABLE SLOPES (H:V) FOR EXCAVATIONS LESS THAN 20 FEET DEEP BY SOIL OR ROCK TYPE	Matching	10	STABLE ROCK - >VERTICAL (90°), TYPE A SOIL ->3/4H:1L (53°), TYPE B SOIL ->1H:1L (45°), TYPE C SOIL ->1 ½H:1L (34°)	STABLE ROCK >VERTICAL (90 SOIL ->3/4H:1L B SOIL ->1H:1L C SOIL ->1 ½H:
10. Where oxygen deficiency (atmospheres containing less than 19.5 percent oxygen) or a hazardous atmosphere exists or could reasonably be expected to exist, such as in excavations in landfill areas or excavations in areas where hazardous substances are stored nearby, the atmospheres in the excavation shall be tested before employees enter excavations greater than _____ feet in depth.	Multiple Choice (Single Answer)	10	4	4
11. Type C soil is:	Multiple Choice (Single Answer)	10	Granular cohesionless soils including: angular gravel (similar to crushed rock), silt, silt loam, sandy loam	Granular soils in gravel, sand, and sand
12. When mobile equipment is operated adjacent to an excavation, or when such equipment is required to approach the edge of an excavation, and the operator does not have a clear and direct view of the edge of the excavation, warning system is required. Barricades can be utilized as a warning system.	True / False	10	Correct	Correct
13. The support or shield system must extend at least _____ inches above the top of the vertical side.	Multiple Choice (Single Answer)	10	18 inches	18 inches
14. Employees shall be protected from excavated or other materials or equipment that could pose a hazard by falling or rolling into excavations. Protection shall be provided by placing and keeping such materials or equipment at least _____ feet from the edge of excavations, or by the use of retaining devices that are sufficient to prevent materials or equipment from falling or rolling into excavations, or by a combination of both if necessary.	Multiple Choice (Single Answer)	10	2	2
15. A ladder is the only acceptable mean of egress from a trench.	True / False	10	Incorrect	Incorrect
16. Sloping or benching for excavations greater than 20 feet deep shall be designed by _____	Multiple Choice (Single Answer)	10	Registered Professional Engineer	Registered Professional Engineer
17. Sloping or benching for excavations greater than _____ feet deep shall be designed by a registered professional engineer.	Multiple Choice (Single Answer)	10	20	20
18. Please list available trench protective systems:	Multiple Choice (Single Answer)	10	All on this list	All on this list
19. Means of egress in a trench shall be located at what distance from each other?	Multiple Choice (Single Answer)	10	50 feet	50 feet
20. Adequate precautions shall be taken to prevent employee exposure to atmospheres	Multiple Choice	10	19.5	19.5

containing less than ____ percent oxygen and other hazardous atmospheres.	(Single Answer)			
21. What type of soil is this? Simple slope excavation 20 feet or less in depth with a maximum allowable slope of ¾W:1H (53 degrees).	Multiple Choice (Single Answer)	10	Type A	Type A
22. Type A soil is:	Multiple Choice (Single Answer)	10	Clay, silty clay, sandy clay, clay loam	Clay, silty clay, s clay loam
23. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are ____ feet.	Multiple Choice (Single Answer)	10	4	4
24. All simple slope excavations 20 feet or less in depth in this type of soil shall have a maximum allowable slope of 1:1.	Multiple Choice (Single Answer)	10	Type B	Type B
25. Any excavation is a trench	True / False	10	Incorrect	Incorrect
26. Please match these soil types	Matching	10	Stable rock ->Stable Rock , Clay, silty clay, sandy clay, clay loam ->Type A , Granular cohesionless soils including: angular gravel (similar to crushed rock), silt, silt loam, sandy loam ->Type B , Granular soils including gravel, sand, and loamy sand ->Type C	Stable rock ->Stable Rock , Clay, silty clay, s clay loam ->Type Granular cohesionless including: angular gravel (similar to crushed silt loam, sandy loam , Granular soil: gravel, sand, and sand ->Type C
27. The maximum allowable slope for a type "B" soil excavation less than 20 feet is 45 degrees	True / False	10	Correct	Correct
28. The most critical trench-related safety hazard is:	Multiple Choice (Single Answer)	10	Cave in	Cave in
29. Protective systems are required for trenches not entirely in a stable rock at depth ____ feet or deeper.	Multiple Choice (Single Answer)	10	5	5
30. Type B soil means:	Multiple Choice (Single Answer)	10	Granular cohesionless soils including: angular gravel (similar to crushed rock), silt, silt loam, sandy loam	Granular cohesionless including: angular gravel (similar to crushed silt loam, sandy loam
31. Employee can be permitted underneath loads handled by lifting or digging equipment if employee wears a hard hat.	True / False	10	Incorrect	Incorrect
32. Inspections of excavations, the adjacent areas, and protective systems shall be made by a competent person for evidence of a situation that could result in possible cave-ins, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions. An inspection shall be conducted by the competent person...	Multiple Choice (Single Answer)	10	All options on this list correct	All options on this
33. Employees can work in excavations in which there is accumulated water, or in excavations in which water is accumulating, when adequate precautions have been taken to protect	True / False	10	Correct	Correct

employees against the hazards posed by water
accumulation.

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