

Silica Hazards in Construction Pre-Test

Name: _____

Date: _____

Score: _____

1. The OSHA Action Level (AL) for respirable crystalline silica is:
 - a. 25 mg/m³, calculated as an 8-hour TWA
 - b. 25 µg/m³, calculated as an 8-hour TWA
 - c. 50 µg/m³, calculated as an 8-hour TWA
 - d. 50 mg/m³, calculated as an 8-hour TWA

2. The OSHA Permissible Exposure Limit (PEL) for respirable crystalline silica is:
 - a. 25 mg/m³, calculated as an 8-hour TWA
 - b. 25 µg/m³, calculated as an 8-hour TWA
 - c. 50 µg/m³, calculated as an 8-hour TWA
 - d. 50 mg/m³, calculated as an 8-hour TWA

3. The three types of silicosis are:
 - a. Active, acute, and chronic
 - b. Chronic, active, and accelerated
 - c. Accelerated, chronic, and acute
 - d. Acute, active, and accelerated

4. Of the control options listed below, which one best describes in order of preference, the hierarchy of controls?
 - a. Personal Protective Equipment (PPE), Work Practice Controls, Engineering Controls
 - b. Engineering Controls, Personal Protective Equipment (PPE), Work Practice Controls
 - c. Work Practice Controls, Personal Protective Equipment (PPE), Engineering Controls
 - d. Engineering Controls, Work Practice Controls, Personal Protective Equipment (PPE)

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5. Which statement below is not an advantage (true statement) of an engineering control?
 - a. Dust particles are controlled at the source, thus minimizing exposures to all persons in the surrounding work area.
 - b. Are reliable, predictable, and provide consistent levels of protection to a large number of employees.
 - c. Are less prone to human error than the use of personal protective equipment.
 - d. Is less expensive initially but becomes more expensive over time and ultimately costs more money to the employer.

6. What does APF stand for?
 - a. American Protection Fund
 - b. Assigned Protection Factor
 - c. Associated Protection for-all
 - d. American Protection Foundation

7. Workers must always wear personal protective equipment (respirators) because engineering controls do not protect them from silica dust exposures alone in all cases.
 - a. True
 - b. False

8. What is not an engineering control?
 - a. Wet (water) delivery system
 - b. Vacuum/dust collection system
 - c. Enclosed operator cab
 - d. Rotating workers