Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which activity is likely to cause a potential exposure to silica?

* Removing Carpet
* Cutting Wood 2” x 4”s
* Painting a Garage Floor
* Chipping Concrete

1. Workers exposed to respirable crystalline silica are at an increased risk of developing lung cancer and kidney disease.

* True
* False

1. The Action Level for exposure to silica set by OSHA is 50 micrograms per cubic meter of air.

* True
* False

1. Employers have two options to comply with the new silica standard. The options are:
   * Comply with Table 1
   * Conduct air sampling to decide which exposure control measures to implement

* True
* False

1. Which of the following is not required by the silica standard *(Check all that apply)*

* Establish and implement a written exposure control plan
* Designate a competent person
* Restrict housekeeping practices
* Notify the OSHA Area Director
* Offer medical exams for workers exposed 30 or more days per year
* Train Workers

1. A worker drills 3 holes in a concrete wall for a total duration of 15 minutes. This worker likely has an exposure that exceeds the action level.

* True
* False

1. A “HEPA” filtration system removes
   * 100% of all airborne particles
   * 99.97% of particles measuring 0.3 micrograms
   * 50% of particles measuring 0.001 micrograms
   * Any particle that can be seen with by the naked eye
2. A worker using a saw to cut masonry block will not have an exposure if a coworker uses a 1 gallon pump sprayer (Hudson sprayer) to mist the airborne dust.
   * True
   * False
3. If you use a filter-type respirator as protection against silica dust, it should have an assigned protection factor (APF) of at least
   * 10
   * 50
   * 100
   * 1,000
4. Any worker adjacent to a task that is creating potential silica exposure is also required to be protected from potential exposure
   * True
   * False

**ANSWER KEY**

1. **Chipping Concrete**
2. **True**
3. **False**
4. **True**
5. **Notify the OSHA Area Director**
6. **False**
7. **99.97% of particles**
8. **False**
9. **10**
10. **True**