INSTRUCTIONS: Sign and date this quiz sheet. Circle the letter representing the correct answer to each quiz question below.

1. Silica is the mineral _____________.
   A. silicon dioxide (SiO$_2$)
   B. carbon dioxide (CO$_2$)
   C. tin dioxide (SnO$_2$)
   D. lead dioxide (PbO$_2$)

2. Silica dust is released during _____________.
   A. hydraulic fracturing (fracking)
   B. sandblasting
   C. drilling, crushing, loading, hauling, and dumping rock
   D. All of the above

3. Exposure to silica may cause lung disease.
   A. true
   B. false

4. What disease is linked to silica exposure?
   A. chronic obstructive pulmonary disorder (COPD)
   B. tuberculosis (TB)
   C. lung cancer
   D. All of the above

5. Silicosis is a progressive, disabling, and curable lung disease.
   A. true
   B. false

6. The NIOSH recommended exposure limit (REL) is ________________.
   A. 0.03 mg/m$^3$
   B. 0.05 mg/m$^3$
   C. 0.07 mg/m$^3$
   D. 0.09 mg/m$^3$

7. OSHA recommends that employers medically monitor all workers who may be exposed to silica dust levels at or above half of the permissible exposure limit (PEL).
   A. true
   B. false

8. It is solely the worker's responsibility to protect him- or herself from silica dust.
   A. true
   B. false

9. To control dust, _________________.
   A. dry sweep
   B. use a regular saw to saw concrete or masonry
   C. use vacuums with HEPA filters
   D. use compressed air to remove dust from equipment

10. The airborne concentration of silica determines which respiratory protection is needed.
    A. true
    B. false