

# Grain Storage Structure Entry

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

## Multiple Choice (circle the correct answer):

1. Persons can become trapped in grain by:
  - a. A collapse of bridged grain
  - b. A collapse of a vertical wall of grain
  - c. Entrapment in flowing grain
  - d. All of these
  
2. Which of the following hazards may be present in grain storage structures (bins, silos, tanks)?
  - a. Materials that can engulf an entrant
  - b. Moving machinery
  - c. Oxygen deficiency
  - d. All of these
  
3. The atmosphere within a grain storage structure must be tested for \_\_\_\_\_ when there is reason to believe they may be present.
  - a. The presence of combustible gases
  - b. Toxic agents
  - c. All of these

## True or False:

4. \_\_\_\_\_ Ventilation must be provided if the oxygen level in a grain storage structure is less than 19.5%.
  
5. \_\_\_\_\_ Walking down grain to make it flow within or out of a grain storage structure is prohibited.
  
6. \_\_\_\_\_ An observer is required when entering a grain silo, bin, or tank.
  
7. \_\_\_\_\_ All equipment that presents a danger to employees during entry must be de-energized and locked and tagged out.
  
8. \_\_\_\_\_ A flat storage structure will not empty completely by gravity, has an unrestricted ground level opening for entry, and must be entered to reclaim residual grain
  
9. \_\_\_\_\_ Permits for entering grain storage structures must be kept on file for three years.
  
10. \_\_\_\_\_ A body harness or boatswain's chair are required when an employee walks or stands on or in stored grain at a depth which poses an engulfment hazard.

# Grain Storage Structure Entry - Quiz Key

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1. D
2. D
3. C (per OSHA 1910.272)
4. True (per OSHA 1910.272)
5. True (per OSHA 1910.272)
6. True (per OSHA 1910.272)
7. True (per OSHA 1910.272)
8. True (per OSHA 1910.272)
9. False (shall be kept on file until completion of entry operations per OSHA 1910.272).  
Suggested practice: permits should be kept on file for a period of at least one year.
10. True (per OSHA 1910.272)