

Written Examination Day 2 Harlan Safety Days

Team Name \_\_\_\_\_ Contestant Name \_\_\_\_\_  
Team number \_\_\_\_\_

1. High volatile coal burns much \_\_\_\_\_ than low or medium volatile coal.  
A. \_\_\_ easier  
B. \_\_\_ hotter  
C. \_\_\_ faster
2. Urethane foam is an effective sealant when used around the \_\_\_\_\_ of a seal.  
A. \_\_\_ edges  
B. \_\_\_ perimeter  
C. \_\_\_ outside
3. Seals should be built at locations with good roof and \_\_\_\_\_ roof and ribs.  
A. \_\_\_ even  
B. \_\_\_ sound  
C. \_\_\_ firm
4. All temporary seals should be well hitched in the floor roof, and ribs to improve their \_\_\_\_\_.  
A. \_\_\_ stability  
B. \_\_\_ strength  
C. \_\_\_ effectiveness
5. A self-contained breathing apparatus is a \_\_\_\_\_ unit that supplies oxygen or air independently of the surrounding atmosphere.  
A. \_\_\_ self-contained  
B. \_\_\_ stand alone  
C. \_\_\_ completely portable
6. The IDLH of \_\_\_\_\_ Dioxide is 20 ppm.  
A. \_\_\_ Carbon  
B. \_\_\_ Nitrogen  
C. \_\_\_ Sulfur
7. Once \_\_\_\_\_, survivors should never be left alone.  
A. \_\_\_ located  
B. \_\_\_ rescued  
C. \_\_\_ found

8. The lower explosive \_\_\_\_\_ of hydrogen is 4.0 percent.
- A. \_\_\_ limit
  - B. \_\_\_ range
  - C. \_\_\_ amount
9. The main objectives of exploration work during a mine \_\_\_\_\_ are locating the fire and assessing conditions in the fire area.
- A. \_\_\_ emergency
  - B. \_\_\_ fire
  - C. \_\_\_ disaster
10. The main objective of recovery work is to \_\_\_\_\_ the affected area of the mine back in operation as soon as possible.
- A. \_\_\_ get
  - B. \_\_\_ ventilation
  - C. \_\_\_ put

## Written Examination Day 1 & Day 2 Harlan Safety Days Answer Key

1. C faster
2. B perimeter
3. A even
4. B strength
5. C completely portable
6. B Nitrogen
7. B rescued
8. A limit
9. B fire
10. A air