

Written Examination Day 1 Harlan Safety Days

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

1. A mixture of coal dust in air reduces the explosive \_\_\_\_\_ of methane.
  - A. \_\_\_ percent
  - B. \_\_\_ range
  - C. \_\_\_ limit
  
2. It is important that the team pace its \_\_\_\_\_ so that it can return to the fresh air base on time.
  - A. \_\_\_ travel
  - B. \_\_\_ exploration
  - C. \_\_\_ work
  
3. As the team \_\_\_\_\_, the map man records what the team encounters by marking the information on a mine map.
  - A. \_\_\_ explores
  - B. \_\_\_ travels
  - C. \_\_\_ advances
  
4. The team is responsible for choosing the exact sites within \_\_\_\_\_ for building seals.
  - A. \_\_\_ headings
  - B. \_\_\_ entries
  - C. \_\_\_ mines
  
5. Color, odor, and taste are physical \_\_\_\_\_ that help to identify gases during barefaced exploration.
  - A. \_\_\_ characteristics
  - B. \_\_\_ properties
  - C. \_\_\_ senses
  
6. Ventilation controls are used underground to properly distribute air to all \_\_\_\_\_ of the mine.
  - A. \_\_\_ areas
  - B. \_\_\_ sections
  - C. \_\_\_ entries

7. Rescue teams should build an airlock so that the two stoppings are \_\_\_\_\_ as close together as possible yet with enough space to allow room for the team and their equipment to fit in between.
- A. \_\_\_ built
  - B. \_\_\_ erected
  - C. \_\_\_ located
8. If the fresh air base is underground, it should be located where it's assured a fresh air \_\_\_\_\_ to the surface.
- A. \_\_\_ escapeway
  - B. \_\_\_ travelway
  - C. \_\_\_ course
9. As a team \_\_\_\_\_, it is important to stay in close contact with the fresh air base/command center to report team progress and to receive further instructions.
- A. \_\_\_ advances
  - B. \_\_\_ explores
  - C. \_\_\_ works
10. Team captains should inspect roof and ribs before the team members \_\_\_\_\_ into the area.
- A. \_\_\_ advance
  - B. \_\_\_ travel
  - C. \_\_\_ explore

## Written Examination Day 1 Harlan Safety Days Answer Key

1. C limit
2. C work
3. C advances
4. A headings
5. B properties
6. B sections
7. B erected
8. B travelway
9. A advances
10. A advance