

## Safety Training Quiz

Explosive Research Laboratory (ERL) at Idaho Springs  
Mining Engineering Department  
Colorado School of Mines

1. What PPE **MUST** you have during testing?
  - a. Sun glasses, hard hat, steel-toe shoes, hand protection, hearing protection
  - b. Safety glasses, hard hat, steel-toe shoes, hearing protection
  - c. Orange reflective vest, safety glasses, hard hat, steel-toe shoes, hearing protection
2. Who should you contact when you arrive at the explosive test site?
  - a. Mine Manager
  - b. Blaster in Charge
  - c. Department Head
3. Which activities are prohibited while visiting the test site?
  - a. Talking on a mobile phone, talking with people during presentation
  - b. Smoking on test site property and drinking alcoholic beverages prior to and during testing
  - c. All of the above
4. Who should be present during any explosive testing/training activities at the explosive test site?
  - a. Team leader, blaster in charge, blaster helper
  - b. Blaster in charge, blaster helper
  - c. Blaster in charge, team (visitors), blaster helper
  - d. None of the above
5. What does the State of Colorado require the Blaster in Charge to do before blasting?
  - a. Written notification of CSM and City of Idaho Springs, 24 hours prior of testing
  - b. Notification by phone call not less than 60 minutes to Sheriff and Fire Authorities
  - c. Notification to Mine Manager before and after each blast
  - d. All of the above
6. Before testing where should all visitors (students) be located?
  - a. Sitting in their cars
  - b. In the trailer or around the trailer
  - c. Specifically where the blaster in charge will request
  - d. All of the above
7. Where are temporary explosives stored during test preparation at the test pit?
  - a. In the blasters car
  - b. Type III storage magazine located next to the test pit
  - c. In the pocket of the blaster's vest or blaster helper
8. Who is responsible for test pit cleanup after testing?
  - a. Blaster in charge/blaster helper
  - b. Your mother
  - c. Student team/team leader/visitors
  - d. All of the above

9. What are the appropriate steps before blaster in charge can initiate the blast?
  - a. Send a helper to secure the test site
  - b. Last revision of the blast setup
  - c. Call to mine office
  - d. Hand count the people present at the test site
  - e. Send the visitors group to safe zone to observe the blast with one supervisor
  - f. Send a person to setup seismograph
  - g. Physically restrict any access to a person to the test pit during blasting
  - h. Count all people involve in the testing
  - i. Get vocal or visual confirmation from all blaster helpers that the area is physically secured and no person is in the blasting area
  - j. Loudly count from 5 to 1, and loudly call: "Fire in the hole"
  - k. All of the above
10. When can you go and see the blast results?
  - a. Visit the AXPRO website
  - b. Immediately after blast
  - c. Wait for instructions from blaster in charge before re-entering the test pit
  - d. All of the above
11. What steps must be done before leaving test site?
  - a. Check out PPE, write down the test setup and results, clean up the test pit and area around it
  - b. Loudly say goodbye to everyone present and drive fast back to Golden
  - c. Check out PPE, write down the test setup and results, clean up the test pit and area around it, check out with blaster-in-charge and say goodbye to people who are present at the test site
  - d. All of the above
12. What is the speed limit around the mine and test site?
  - a. 10 MPH
  - b. 15 MPH
  - c. 5 MPH
  - d. Dependent on road conditions
13. What is the emergency meeting point?
  - a. Your car
  - b. Designated meeting place by Blaster in Charge
  - c. Trailer
14. What is the punishment for breaking safety regulations?
  - a. Slap on the hand
  - b. Put in timeout
  - c. Removed from test site for 30 days minimum
  - d. Call mommy
15. What should you do if you receive an injury/sickness?
  - a. Tell blaster in charge
  - b. Let the Department of Health Safety and Human Resources at CSM know
  - c. Make the decision to call 911
  - d. Fill out incident report
  - e. All of the above
16. Where are the fire extinguishers located?
  - a. In the trailer
  - b. Around the test pit
  - c. Ask blaster in charge prior to testing