

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 AXPPO 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