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 to 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 blaster’s 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 involved 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