Video Quiz

Video Title: Underground Mine Safety
Length: 26 min
Vendor: Colorado dept. Minerals & Geology
Synopsis:

1) Inspection & maintenance of travelways is required a) hourly, b) each shift, c) daily, d) weekly, e) monthly, f) annually
2) One of the best ways to tell if the ground is loose is a) drill it, b) check the roof bolts, c) rub a loader bucket along it, d) stand under it and see if it falls, e) hit it with the end of a scaling bar.
3) Items covered in a daily walk-around inspection should include a) checking to see if the miners are wearing ear plugs, b) problems with roof bolts, c) evidence of loose ground
4) A test of adequate ventilation in metal/nonmetal mines is a) when measurements show airborne contaminants below the 2002 TLVs, b) when measurements show airborne contaminants are below the 1973 TLVs, c) when you can feel air movement, d) when the fans are on.
5) The purpose of a whip check is a) so the miner doesn’t throw his neck out of joint, b) so the miner doesn’t get dirt in his face, c) to protect the miner from flyrock while blasting, d) to protect the miner from getting hit by a disconnected hose.
6) The roof is barred down beginning at the face and ending at the bolted area: True __, False__
7) A bootleg is ______________________________________________________________.
8) The feed control & throttle should be on when turning the air on to the jackleg. True __, False__
9) A jackleg drill has _____ pinch points.
10) It is a good idea to either straddle a jackleg drill or stand behind a jackleg. True __, False__
11) Explosives should be stored at least __ feet from a haulageway in storage constructed from at least ___ inches of hardwood.
12) _______________ should never be stored in the same magazine as explosives.
13) Explosives should be stacked on the mine floor or against the ribs. True __, False__
14) Cases of explosives should never be stacked more than ___ feet high.
15) ANFO bags must be physically separated from explosives, safety fuse & detonating cord. True __, False__
16) All movements of explosives must be ________________________________________.
17) Tamping sticks must be constructed from ______________________ material.
18) Tamping should be done _________________.
19) ____ special locks are needed on the explosives magazine.
20) ____________________, which is a concern when blowing ammonium nitrate into holes can be protected against by use of a ______________________.
21) After blasting, bar down the __________ first, then the __________.
22) A __________ set bolt is used in areas where ground movement is a concern, because there is less of a problem with ___________ than with ___________ bolts.
23) A Swellex bolt is secured in the hole by _________________________________
24) Both ___________ and ___________ bolts support the whole column.
25) Where is a mechanically-anchored bolt attached? ____________________________________________________________________________

1)c 2)e 3)b,c 4)a,b 5)d 6)(F) 7)unblasted bottom of a drill hole left after the blast 8)(F, 9)2 10)(F) 11)25, two 12)detonators 13)recorded in the log book 14)6, 15)T, 16)recorded in the log book 17)nosparking 18)gently 19)two 20)static electricity, good ground 21)back, ribs 22)split, shearing, solid 23)blowing water in at 4500 psi 24)Both Swellex and Split Set 25) At the end of the whole.