

Video Quiz

Video Title: Underground Electrical Safety – Coal

Length: 18:40

Vendor: NIOSH

Synopsis:

- 1) Typical high voltage systems used in underground mines fall between 4160 and 13,200 volts. True __, False__
- 2) Electrical shock occurs only when your body is the path of least resistance to ground. True __, False__
- 3) Electrical arcs are a concern in underground mines because they can cause severe _____ and ____ damage.
- 4) Direct current is used for most underground equipment. True __, False__
- 5) Low voltage is less than or equal to 660 volts. True __, False__
- 6) High voltage is greater than 1000 volts. True __, False__
- 7) The most common source of electrical shock is _____ volts.
- 8) Every electrical circuit includes: voltage, current, resistance, _____, and _____.
- 9) It only takes only ____ amp of current flowing through you to cause your death.
- 10) An electrical implement whose frame is not properly grounded is dangerous because: a) a ground fault will not kick the circuit breaker, b) you may become a path from the frame to ground.
- 11) Rubber boots don't help reduce the chance of you are becoming electrocuted. True __, False__
- 12) A circuit breaker is only to prevent overloading the circuit and has nothing to do with the potential for you to receive an electrical shock. True __, False__
- 13) When locking out equipment, you should use only your own lock and key. True __, False__
- 14) Electrical work can only be performed by a "Qualified" person. True __, False__
- 15) MSHA requires that when a fault is found on electrical equipment, it must be removed from service immediately. True __, False__
- 16) Before performing any work on an electrical circuit other than trouble-shooting or testing, MSHA requires that it be _____.
- 17) Any metal parts that may become energized must be _____ by approved methods.
- 18) Circuit breakers must be _____.
- 19) For single-phase 120-volt circuits feeding electrical equipment, it is necessary that a separate _____ conductor, which establishes a continuous connection to a _____ center tap of the transformer, be connected to metal components.
- 20) Always look for a _____ on equipment before operating it.
- 21) Even a slight tingle of a shock should result in de-energizing, locking and tagging out the circuit for repairs and reporting it to the appropriate person. True __, False__
- 22) Always look closely at a circuit breaker when you are resetting it. True __, False__
- 23) If a breaker kicks immediately upon resetting it, try resetting it 3 more times before reporting it. True __, False__

1)T, 2)F, 3)burns, eye, 4)F, 5)T, 6)T, 7)120, 8)conductor, insulator, 9) 1/10th 10)a,b, 11)F, 12)F, 13)T, 14)T, 15)T, 16)de-energized, 17) grounded, 18) marked for identification, 19) grounding, grounded, 20) danger tag, 21)T, 22)F-Turn your eyes away before resetting, 23)F