

Mine Safety Quiz

Title: Explosion Hazards

Check off all items that are likely to result in an explosion:

- 1) Inflating a tire
- 2) Heating the brakes on a vehicle
- 3) Placing a cylinder of compressed gas in a hot environment
- 4) Placing a cylinder of compressed gas in a cold environment
- 5) Heating the nuts on a vehicle tire rim
- 6) Heating a brake wheel or master cylinder
- 7) Heating a hydraulic cylinder
- 8) Heating or welding on an open tank
- 9) Heating or welding on a closed tank
- 10) Heating or welding a full gasoline tank
- 11) Heating or welding an open gasoline tank
- 12) Lighting a match near an open gasoline tank
- 13) Lighting a match near a closed gasoline tank
- 14) Pouring gasoline into an incinerator
- 15) Pouring used oil into an incinerator
- 16) Heating concrete
- 17) Heating wood
- 18) Heating steel
- 19) Heating a rock
- 20) Digging into a natural gas line
- 21) Digging into a propane line
- 22) Using a Bobcat before it warms up
- 23) Shooting a shotgun with snow in the barrel
- 24) Shooting a rifle with snow in the barrel
- 25) Turning the lights on in a garage with fuel oil on the floor
- 26) Turning the lights on in a garage with gasoline on the floor
- 27) Using a propane heater in a confined space
- 28) Smoking near an open diesel fuel container
- 29) Smoking near an open gasoline container
- 30) Fueling up a gas can sitting in your truck box
- 31) Pouring gasoline from a drum into a smaller container
- 32) Storing gasoline in a non-ventilated area
- 33) Storing propane in a non-ventilated area
- 34) Opening the valve on an oxygen cylinder
- 35) Opening the valve on an oxygen cylinder regulator
- 36) Opening the valve on an acetylene regulator
- 37) Dropping an opened oil can into a fire
- 38) Dropping a closed pop bottle into a fire
- 39) Dropping a closed oil can into a fire
- 40) Dropping a closed pop can into a fire
- 41) Dropping an open pop bottle into a fire
- 42) Getting a cigarette lighter hot
- 43) Cutting the end off a drum which contained only water
- 44) Heating water in a can with the cover on
- 45) Throwing a match into a stove containing gas-soaked rags

- ___ 46) Throwing a match into a stove containing fuel-oil soaked rags
- ___ 47) Using acetylene from a cylinder that has not been stored upright
- ___ 48) Using oxygen from a cylinder that has not been stored upright
- ___ 49) Lighting a match in a dusty room
- ___ 50) Oiling an oxygen regulator
- ___ 51) Oiling an acetylene regulator
- ___ 52) Gas welding in a confined space
- ___ 53) Cutting with a torch in a confined space
- ___ 54) Using acetylene at a pressure greater than 15 psig
- ___ 55) Opening both the oxygen and acetylene valves to light a torch
- ___ 56) Flashback (sputtering) in an oxy-acetylene torch
- ___ 57) An improperly working check valve in either the oxygen or acetylene lines
- ___ 58) Opening the valve on an acetylene cylinder more than $\frac{1}{4}$ turn
- ___ 59) Opening the valve on an oxygen cylinder more than $\frac{1}{4}$ turn
- ___ 60) A leaking acetylene cylinder
- ___ 61) A leaking oxygen cylinder
- ___ 62) A leaking nitrogen cylinder
- ___ 63) A leaking propane tank

Answers: 1-3, 5-12, 14-16, 19-24, 26, 27, 29-36, 38-40, 42-45, 47, 49, 50, 52-58, 60, 61, 63