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| 1. What does a "locking system" do in a cartridge-firing firearm? |
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| a. It locks the action of the gun so that it cannot be fired b. It is the system that is used to hold the cartridge in place and has a means to pull the cartridge out of the chamber after the gun is fired c. It is a system that locks the trigger in place after the gun is fired d. It is a system that locks the hammer in the half cock notch |
| 2. A tipping bolt system can best be described as a |
| a. System in which the breech bolt pivots from the front or rear and tips down on the opposite end to allow a cartridge to be loaded and securely held in place before being fired b. system that allows the firing pin to drop out of the bolt by tipping the firearm rearward during the disassembly process c. system in which the breech bolt tips upward just before the gun is fired |
| 3. Muzzle loaders from about 150 years ago utilized a breech plug. |
| a. True b. False |
| 4. Which of the following is NOT a type of locking system for a rifle? |
| a. Hammer block b. Rolling block c. Falling block d. Rotating bolt |
| 5. Which locking system utilizes the hammer to hold the locking block closed after the shot is fired? |
| a. Hammer block b. Rolling block c. Falling block d. Rotating bolt |
| 6. A rotating bolt is found on most all antique muzzle loading rifles. |
| a. True b. False |
| 7. A type of system that is often used on submachine guns is the |
| a. pump action b. Jaeger c. machine assist d. straight blowback |
| 8. What type of system is utilized on the Luger pistol? |
| a. Toggle lockb. Jaegerc. Rotating boltd. Rotating frame |

| 9. The following parts are commonly found on what type of firearm: action bars, locking block, action bar lock, magazine tube, bolt carrier? |
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| a. Bolt action rifleb. Submachine gunc. Inertia driven firearmd. Pump action firearm |
| 10. A locking system that is best described as utilizing three pivot points that almost form a straight line when the action is closed is |
| a. straight pivot lockb. toggle lockc. bolt actiond. rotating pivot lock |
| 11. The rotating bolt system is ONLY found in a bolt action rifle. |
| a. True b. False |
| 12. Newton's Third Law states that every action has an equal and opposite reaction. Which of the following is the best example of Newton's Third Law? |
| a. A rifle sitting idle in a bench rest b. The movement of a locking system being driven rearward by the energy of the expanding gases in a fired cartridge while the gases at the same time press on the bullet being driven down the barrel towards the muzzle. c. All of the above d. None of the above |
| 13. The Transition area in the barrel from the mouth of the chamber to the full engagement of rifling is called the |
| a. Bullet squeeze b. Ballistic leap c. Throat d. Accelerator |
| 14. The first successful semiautomatic shotgun design was the |
| a. long recoil operated shotgunb. manual pump action shotgunc. short recoil operated shotgund. open bolt inertia driven shotgun |
| 15. The main difference in long recoil and short recoil operated firearms is |
| a. the distance the barrel moves rearward compared to the length of its fired cartridge case b. the amount of felt recoil c. the distance of recoil measured in centimeters of muzzle flip d. all of the above |

| 16. The best example of a long recoil operated firearm is the Browning .50 caliber machine gun. |
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| a. True b. False |
| 17. A gas operating system utilizes the gas generated from the fired cartridge and an internal or external piston, or expansion chamber to cycle the gun. |
| a. True b. False |
| 18. The "12/20 Burst" refers to |
| a. using a 20 gauge shotgun with 12 gauge shotgun shells and the fireball it produces out of the muzzle of the shotgun b. feeding a 12 gauge shotgun shell into a 20 gauge shotgun and causing it to burst c. feeding a 20 gauge shotgun shell into a 12 gauge shotgun chamber and then loading a 12 gauge shell behind it. When fired, the gun can blow up. d. Feeding a 12 gauge shell into a 20 gauge shotgun. When fired, the gun can blow up e. Both c. and d. above. |
| 19. Which of the following is not a locking system for a pivot barrel shotgun? |
| a. Greener cross bolt b. Yorkshire double under lock c. Purdy triple bolting d. a. and b. above e. a. and c. above |
| 20. The blowback system that is used in handguns is most often used with high caliber cartridges, like the .40 S&W, .45 ACP and .357 mag, to provide enough energy to cycle the gun. a. True b. False |
| 21. The type of handgun that requires the shooter to pull the trigger to fire every shot is? |
| a. double actionb. single actionc. double action onlyd. single action onlye. all of the above |
| 22. The type of revolver that requires the shooter to manually cock the hammer for every shot is |
| a. double action only b. single action c. double action d. all of the above e. none of the above |

| 23. Which of the following systems is not used in a handgun? |
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| a. Rotating locking b. Cam lock c. Link lock d. Reverse blowback e. Delayed blowback |
| 24. Which statement below best describes a delayed blowback system that is gas retarding? |
| a. System that slows down the stoppage of a slideb. System that is designed to slow down the opening of a slidec. System in which the gas escapes through a compensated barrel d.System in which the gas is vented out of a rear assist pivot block |
| 25. Which of the following two short recoil, tipping barrel systems is technically more accurate and will cause less wear on its internal parts? |
| a. Cam lock b. Link lock |
| 26. The term "Vertical stringing" means |
| a. a stoppage in a handgun that is caused by the vertical rise of the cartridges in a magazine under recoil b. the term for the incremental adjustment for elevation found on a handgun's rear sight c. when successively fired bullets create a vertical pattern on the target d. a vertical measurement in .000" that is taken from the top of the front sight to the bottom of the barrel bushing |
| 27. What gives the toggle of the toggle lock system its ability to move rearward? |
| a. The rearward motion of the barrel slamming into the breech face of the toggle when fired b. The center pivot of the toggle being forced upward by the gas hole in the gas tube c. The energy of the cartridge's discharge d. All of the above |
| 28. The lower receiver of an AR-15 is considered the frame. It is the serial numbered part and thus is considered the firearm itself. |
| a. True b. False |
| 29. A "hammerless" revolver literally means that the gun has no hammer. |
| a. True b. False |
| 30. The hand on a revolver hits this part to rotate the cylinder. |
| a. Crane b. Ratchet pad c. Elevator notch |

d. Doughnut hook e. Rotator cuff

| 31. What is the purpose of the accelerator that is found on the Swedish Lahti pistol? |
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| a. To accelerate the power of the hammer. b. To accelerate the return of the trigger for quicker follow-up shots. c. To funnel heat from the gas of the discharged cartridges to the grips so the bullets in the magazine do not freeze in place. d. To give the bolt an extra push when opening, which allows it to cycle in cold and freezing conditions. e. a. and d. above f. c. and d. above |
| 32. The safest way to carry a <u>loaded</u> single action revolver that has no type of safety mechanism is to have the hammer resting in the safe notch. |
| a. True b. False |
| 33. The definition for end shake is |
| a. the rattle you can hear when the barrel is loose b. when you can feel the end of the mainspring shake during recoil c. the fore and aft motion of the cylinder in the frame d. the shaking of your hands before shooting a magnum revolver e. the play in the trigger caused by a weak trigger return spring |
| 34. In most single action revolvers, the trigger also acts as the sear. |
| a. True b. False |
| 35. The rebound slide in a swing out cylinder double action revolver does what? |
| a. Returns the triggerb. Rotates the cylinderc. Extracts the cartridges from the cylinderd. Returns the cylinder stop to the cylinder notch |
| 36. The function of the sear is to |
| a. hold the hammer back until the trigger is pulledb. hold the firing pin back until the trigger is pulledc. hold the striker back until the trigger is pulledd. all of the above |
| 37. On many striker fired semi-auto pistols, the firing pin is also the ejector. |
| a. True b. False |
| 38. Magazines that have a front and rear set of lips are designed for feeding what type of cartridges? |
| a. Rimmed b. Rimless |

c. Pin Fire d. All of the above

| 39. The rear set of lips on a magazine controls the height and position of the cartridge. |
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| a. True b. False |
| 40. What makes laminated stocks so strong and stable? |
| a. The shape of the comb b. The size of the cheek piece c. The type of lacquer that the stock is finished with d. The glue that is impregnated to hold the layers of wood together e. None of the above |
| 41. With the firearm pointed away from you and looking down from the center line of the receiver to the center line of the heel of the stock allows us to see if the gun has |
| a. cast on b. cast off c. neither a. nor b. above d. both a. and b. above |
| 42. <i>Toe in</i> and <i>Toe out</i> refer to |
| a. the direction in which the shooter's toes point when in firing position b. whether or not the firearm has correct footing c. the direction of the toe of the stock to the left or right of the center line of the stock d. whether or not the toe of the stock mounts correctly for a left-hand shooter e. none of the above |
| 43. If the butt of the stock at the rear of the gun designed for a right hand shooter is to the left of the center line, it has cast on. |
| a. True b. False |
| 44. The pitch of the stock refers to |
| a. the frequency of the center tone when a tuning fork is held against the stock b. the angle to the top of the butt from the rear of the action in relation to the center line of the barrel's bore c. the sound the action makes in different stock materials d. the angle of the pistol grip in relation to the center of the trigger |
| 45. The definition of twist rate is |
| a. the speed of the bullet's rotation in flight during the first three feet after it leaves the barrel b. the trajectory of the bullet drop, measured in meters c. how many revolutions the bullet makes in the throat of the chamber d. the distance in inches that the rifling of a barrel takes to make one complete revolution |
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| 46. A barrel's rifling consists of |
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| a. chrome moly inserts and case hardened reservoirs b. lands and grooves c. waves and reefs d. chatters and warbles e. none of the above |
| 47. Which is NOT a type of rifling found in a barrel? |
| a. Button rifling b. Cut rifling c. Hammer forging d. Diamond rifling e. Broached rifling |
| 48. Damascus barrels get stronger with age. |
| a. True b. False |
| 49. The best and strongest barrels are made from ordinance steel. |
| a. True b. False |
| 50. The type of crown that offers the <i>least</i> amount of protection is the |
| a. round crown b. cone crown c. flat crown d. stepped crown |
| 51. Two advantages of a fluted barrel are |
| cuts down on the weight of the barrel the barrel is case hardened and annealed near the muzzle the barrel has more surface area so it cools faster the barrel has more surface area so it retains heat better for greater accuracy |
| a. both 1. and 3. above b. both 1. and 4. above c. both 2. and 3. above |
| 52. The legal length of a shotgun barrel in the United States must be at least |
| a. 16 inches b. 18 inches c. 20.5 inches d. 24 inches |
| 53. Choke tubes constrict the bore size of a barrel to tighten the pattern produced by the shot |
| a. True b. False |

| 54. Which type of cartridge case's rim is the same size as the case body? |
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| a. Rimless b. Rimmed c. Belted d. All of the above |
| 55. The best definition of headspace is |
| a. the space between your earsb. the distance between the bolt face in closed position to the base of a fully seated casec. the distance between the end of the throat of the chamber and the bolt face d. thespace between the cannelure of a cartridge and the tip of the bullet |
| 56. The strict formula for cartridge designation is always the caliber of bullet first and then the number of grains of ANY type of powder. Example: .30/30 Winchester |
| a. True b. False |
| 57. A full metal jacket bullet would do more damage to the human body than a hollow point bullet. |
| a. True b. False |
| 58. The larger the objective lens is on a scope, the more light gathering ability it has. |
| a. True b. False |
| 59. Americans use the "Boxer" primer and Europeans use the "Berdan" primer. |
| a. True b. False |
| 60. The Berdan primer has its anvil in the primer and has a central flash hole in the primer pocket of the cartridge case. |
| a. True b. False |
| 61. With the <i>Go</i> gauge inserted in the chamber, the bolt should not be able to close on it. |
| a. True b. False |
| 62. A firearm is considered safe to shoot if the bolt can close completely with the <i>Field</i> headspace gauge in the chamber. |
| a. True b. False |