

FirearmsID.com Firearm Identification Quiz

Name: _____

Class: _____

1. The following is not a method of forming rifling in a barrel.

- A. Electrochemical
 - B. hammer forged
 - C. machine cut
 - D. broach cut
 - E. button rifling
-

2. The identification of fired bullets, cartridge cases or other ammunition components as having been fired from a specific firearm is referred to as:

- A. Forensic Ballistics
 - B. Ballistics
 - C. Ammunition Identification
 - D. Firearm Identification
 - E. Cartridge Identification
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3. Cartridges designed for use in auto loading pistols will usually have this word in their cartridge designation:

- A. Auto
 - B. Semi
 - C. Long
 - D. Caliber
 - E. S&W
-

4. By holding the nose of the bullet pointing away from you, the direction the rifling impressions run _____ from you determines the direction of twist.

- A. away
 - B. parallel
 - C. toward
-

5. Firearms identification is actually a form of _____ where the firearm, because it is made of a material harder than the ammunition components, acts as a tool to leave impressed or striated marks on the various ammunition components that come into contact with the firearm.

- A. tool and die
 - B. toolmark identification
 - C. physics
 - D. forensic science
 - E. ballistic identification
-

6. Grooves cut or formed in a spiral nature lengthwise down the barrel of a firearm.

- A. striation
 - B. lines
 - C. rifling
 - D. forged marks
 - E. all apply
-

7. Which of the following is NOT an impressed action mark?

- A. Firing pin impression
 - B. Concentric breech marks
 - C. Firing pin drag marks
 - D. Ejector marks
-

8. Firearms and ammunition of European origin use the _____ system to indicate the size of the bullet.

- A. Dewey Decimal
 - B. metric
 - C. Latin
 - D. caliber
 - E. English
-

9. In addition to comparing ammunition components to firearms, firearm examiners conduct other examinations that usually include which of the following:

- A. Determine the manufacturer or manufacturers of firearms that may have fired a particular bullet or cartridge case.
 - B. All are correct
 - C. Examine clothing and other items for gunshot residues and/or shot patterns in an attempt to determine a muzzle-to-garment distance.
 - D. Testing firearms to determine if they function properly.
 - E. Determine caliber and manufacturer of ammunition components. Including the examination of various shotshell components.
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10. Intentional or design characteristics that would be common to a particular group or family of items are:

- A. Class Characteristics
 - B. Impressed Marks
 - C. Individual Characteristics
 - D. Toolmarks
 - E. Striations
-

11. Firearms leave unique characteristics on the ammunition components due to:

- A. manufacturing processes, use, and abuse
 - B. rifling impressions
 - C. breech marks
 - D. drillings
 - E. gas pressure within the barrel
-

12. Two class characteristics of firearms that relate to the bullets fired from them includes:

- A. caliber and rifling pattern
 - B. striations and impressed marks
 - C. model and barrel length
 - D. all apply
 - E. gunpowder and primer residues
-

13. Class characteristics that relate to the identification of Cartridges and Cartridge cases are:

- A. all apply
 - B. firing pin impressions
 - C. ejector mark shape
 - D. extractor mark location
 - E. breech marks
-

14. If class characteristics between an ammunition component and a firearm are in agreement the next step in the examination process would be to look for:

- A. microscopic residues
 - B. safety defects
 - C. radial fractures
 - D. individual characteristics
 - E. nitrites
-

15. Imperfections in the surface of the interior of the barrel leave these marks on bullets:

- A. contour
 - B. concentric
 - C. impressions
 - D. parallel
 - E. striations
-

16. Firearm Examiners commonly use this to collect fired standards from firearms.

- A. phone books
 - B. water tank
 - C. sand
 - D. suction
 - E. bullet stop
-

17. Firearm Examiners validate the unique characteristics being produced by a firearm by examining these first.

- A. rifling
 - B. fired standards
 - C. breech marks
 - D. imperfections
 - E. cannellure
-

18. Firearm Examiners use this instrument to examine bullets and cartridge cases for similar marks.

- A. bore scope
 - B. hand-held loupe
 - C. stereo microscope
 - D. scanning electron microscope (SEM)
 - E. comparison macroscope
-

19. Most positive bullet identifications are made on striations that are found where?

- A. on land impressions near the base of the bullet
 - B. on the shoulder of land impressions
 - C. on groove impressions near the base of the bullet
 - D. near the nose of the bullet
 - E. on the bottom of the bullet
-

20. Caliber is a term used to indicate the:

- A. the length of the bullet
 - B. the quality of marks present.
 - C. diameter of a bullet in mm.
 - D. direction of twist in the barrel.
 - E. diameter of a bullet in hundredths of an inch.
-

21. A cartridge is a single unit of ammunition consisting of:

- A. cartridge case, wadding, pellets and primer
 - B. the cartridge case, primer, and propellant with or without one or more projectiles
 - C. the shell, wadding, pellets, and slug
 - D. the cartridge case, primer, and one or more projectiles
 - E. the primer, cartridge case, and bullet
-

22. All of the cartridges below are in the 22 caliber "family" except:

- A. 22 Long Rifle
 - B. 22 Long
 - C. 22 Magnum
 - D. 22 Mono
 - E. 22 Short
-

23. Which is not an examination designed to help firearm examiners arrive at a basic caliber for a submitted bullet.

- A. measuring the bullet's diameter
 - B. examining the physical characteristics of the bullet
 - C. determining the age of the bullet
 - D. weighing the bullet
 - E. measuring the length of the bullet
-

24. A revolver chambered for 357 MAGNUM cartridges can also fire which cartridge.

- A. 357 Webley
- B. 38 Maximum
- C. 22 Long Rifle
- D. 38 Special
- E. 380 AUTO



25. The following firearm normally does not have rifling in its barrel.

- A. pistol
 - B. rifle
 - C. derringer
 - D. shotgun
 - E. revolver
-

26. Rifling in the barrel of a firearm are made up of these two elements.

- A. hills and mountains
 - B. lands and grooves
 - C. all apply
 - D. lands and valleys
 - E. creases and folds
-

27. The following is a common rifling pattern.

- A. 5/Left
 - B. 15/Right
 - C. 3-Left
 - D. 10/Left
 - E. 6/Right
-

28. 16-Right rifling is also called _____-groove rifling.

- A. micro
 - B. small
 - C. polygonal
 - D. multi
 - E. mini
-

29. Hammer forged rifling usually produces this type of rifling.

- A. Conventional
 - B. Broach
 - C. Button
 - D. English
 - E. Polygonal
-

30. Polygonal rifling is usually found in this brand of firearms.

- A. Beretta
 - B. Hi-Point
 - C. Smith & Wesson
 - D. Glock
 - E. Colt
-

31. In the process that eliminates the conventional machining of metal, rifling is formed by wet-etching the interior of a barrel under an electric current. The metal inside the barrel is actually eaten away or dissolved to create grooves in the barrel.

- A. Electrochemical Rifling
 - B. Hammer Forged Rifling
 - C. Broach Current Cut
 - D. The Clapper
 - E. Electro-machined Rifling
-

32. Polygonal rifling has the appearance of _____.

- A. Lines & Curves
 - B. Hills & Valleys
 - C. Creases & Wrinkles
 - D. Lands & Grooves
 - E. Bumps & Dents
-

33. A _____ is allowed to express an opinion about the validity of the evidence in a case and may quote the statements of others in support of an opinion.

- A. lay person
 - B. public defender
 - C. eye witness
 - D. attorney
 - E. expert witness
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34. Because there is a distinct edge at the transition from a land to a groove impression, the widths of the lands and grooves can be measured in this traditional rifling method.

- A. Button Rifling
 - B. Straight Rifling
 - C. Curved Rifling
 - D. Polygonal Rifling
 - E. Pinched Rifling
-

35. The rifling pattern in the barrel that fired a particular bullet can be determined by _____ the number of groove or land impressions around the circumference of the bullet.

- A. counting
 - B. photographing
 - C. marking
 - D. casting
 - E. measuring
-

36. Cartridges designed for use in auto loading pistols will usually have this word in their cartridge designation:

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-

37. The _____ is the distance the rifling needs to spiral down the barrel for it to complete a single revolution. An example would 1 turn in 12 inches.

- A. spiral
 - B. rate of twist
 - C. core distance
 - D. bore length
 - E. lands and grooves
-

38. _____ taken from the recovered bullets can be used to determine the possible manufacturers of the firearm from which the bullets were fired.

- A. Rifling Parameters
 - B. Trace evidence
 - C. Bullet velocity
 - D. Cannelure configuration
 - E. Primary colors
-

39. _____ are the identified rifling pattern (i.e. 8/right) and the diameters of the individual lands and grooves.

- A. Bullet size and weight
 - B. Firearm parameters
 - C. Cartridge case parameters
 - D. Ballistic data
 - E. General Rifling Characteristics (GRC)
-

40. Tool marks produced on cartridge cases will be in which two basic forms.

- A. smooth and course action marks
 - B. striated and impressed action marks
 - C. concentric and parallel action marks
 - D. light and heavy action marks
 - E. inner and outer action marks
-

41. These action marks are produced when the cartridge case moves laterally against the tool (inner surface of the firearm) producing a scrape mark.

- A. deep
 - B. round
 - C. impressed
 - D. striated
 - E. smooth
-

42. These action marks are created on a cartridge case when it impacts the tool (firearm) and no lateral movement occurs.

- A. impressed
 - B. striated
 - C. colored
 - D. scratch
 - E. shiny
-

43. Which of the following is NOT a striated action mark?

- A. Firing pin drag marks
 - B. Phantom marks
 - C. Concentric breech marks
 - D. Chamber marks
 - E. Shear marks
-

44. Most firearms have some type of _____ designed to minimize the potential for accidental discharge.

- A. hammer
 - B. barrel
 - C. cylinder
 - D. key
 - E. safety
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45. Which of the following is NOT a manual safety?

- A. Thumb
 - B. Cross-bolt
 - C. Half-cock
 - D. Internal firing pin block
 - E. Safety button
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46. Which of the following is not an internal safety?

- A. Thumb
 - B. Hammer block
 - C. Firing pin disconnect
 - D. Transfer bar
 - E. Drop
-

47. _____ is that given by a specialist who has been recognized by the court as having expert knowledge about evidence in the case.

- A. Expert testimony
 - B. A photograph
 - C. Handwriting samples
 - D. Fingerprint evidence
 - E. A written report
-

48. Conclusions reached in a bullet comparison will NOT include the following.

- A. Positive ID
 - B. Inconclusive ID
 - C. Negative ID
 - D. Personal ID
 - E. Negative ID
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49. Qualifications typically given by a Firearm Examiner to be considered an expert by the courts will NOT include which of the following?

- A. Specialized training received
 - B. Drivers license number
 - C. Past testimony experience
 - D. College degrees held
 - E. Years of service in the field
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50. As scientists and expert witnesses (and to remain as such), it is of the utmost importance that we maintain complete _____ in our work.

- A. concentration
 - B. partiality
 - C. functionality
 - D. impartiality
 - E. ambiguity
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