

## Forensic Science History Timeline Project Worksheet

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| <ul style="list-style-type: none"><li>a. William Nichol</li><li>b. His Duan Yu</li><li>c. Walter Specht</li><li>d. Federal Rules of Evidence (FRE)</li><li>e. Theodore Roosevelt</li></ul> | <ul style="list-style-type: none"><li>a. Daubert vs. Merrell Dow</li><li>b. New York vs. Castro</li><li>c. Frye vs. United States</li><li>d. National Integrated Ballistics Information Network (NIBIN)</li><li>e. Alec Jeffreys</li></ul> |
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| ___ 1. established the FBI  |  |
| ___ 2. developed the chemiluminescent reagent luminol   |  |
| ___ 3. discovered that each person has unique DNA, called DNA Fingerprinting  |  |
| ___ 4. invented the polarizing light microscope   |  |
| ___ 5. organization established to facilitate the exchange of firearms data between Drugfire and IBIS                                   |  |
| ___ 6. evidence has to be relevant to the case, not prejudiced, and not hearsay before the evidence can be admitted into a court of law |  |
| ___ 7. Chinese book that described the difference between drowning and strangulation  |  |
| ___ 8. first case where DNA was excluded as evidence because of poor handling   |  |
| ___ 9. relaxed the Frye standard  |  |
| ___ 10. case that developed concept of general acceptance of scientific techniques  |  |
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| <ul style="list-style-type: none"><li>a. Integrated Ballistics Identification System</li><li>b. anthropometry</li><li>c. Henry Goddard</li><li>d. Drugfire</li><li>e. Hans Gross</li><li>a. Automated Fingerprint Identification System</li></ul> | <ul style="list-style-type: none"><li>b. Alphonse Bertillon</li><li>c. Dr. Karl Landsteiner</li><li>d. Edmond Locard</li><li>e. Schonbein</li><li>a. Alexandre Lacassagne</li><li>b. John Toms</li></ul> |
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| ___ 11. first used bullet comparison to catch a murderer based on a visible flaw in the bullet  |  |
| ___ 12. founder of modern forensic science; first tried to individualize bullets to a gun barrel based on the number of lands and grooves |  |
| ___ 13. the ATF's system for bullet and cartridge cases comparison  |  |
| ___ 14. discovered that blood cells fall into groups (blood typing)   |  |
| ___ 15. first computerized scans of fingerprints  |  |
| ___ 16. came up with anthropometry  |  |
| ___ 17. systematic procedure for taking a series of body measurements as a means of distinguishing one individual from another            |  |
| ___ 18. published the first textbook, <u>Criminal Investigation</u> , coined the word criminalistics                                      |  |
| ___ 19. first suggested 12 matching points as a positive fingerprint identification, also came up with the exchange principle             |  |
| ___ 20. first to discover the ability of hemoglobin to oxidize hydrogen peroxide making it foam   |  |
| ___ 21. Convicted of murder on the basis of the torn edge of newspaper in a pistol matching a remaining piece in his pocket               |  |
| ___ 22. the FBI's system for bullet and cartridge cases comparison  |  |