

(bullet lead analysis)

11-1

ideal features

B.L.A

1) Ref database

NO

2) discrete characteristics

NO

3) indep. verification

NO

4) Pass (blind) proficiency

NO

DNA - the gold standard

3 different types of DNA markers used

nuclear - present in ♂♂ + ♀♀
 lowest RMP
 need good DNA

mitochondrial DNA

high RMP (.1 - .001)
 not unique in families
 but works w/ degraded DNA

Y-DNA markers

unique to ♂♂
 high RMP - and father + son the same

- 1) Ref database exists
- 2) discrete char's YES
- 3) indep varf ~~is~~ YES
- 4) pass (blind) prof. test - varies

Eyewitness ID (one demo, one video)

- 1) photo catalog might be considered a ref. database
 but witnesses are usually asked to ID one person
- 2) discrete characteristics - NOT obviously
- 3) universal protocol for ID
- 4) prof. tests - go back back more than a century
 + people fail miserably