

Steps to a DNA Fingerprint

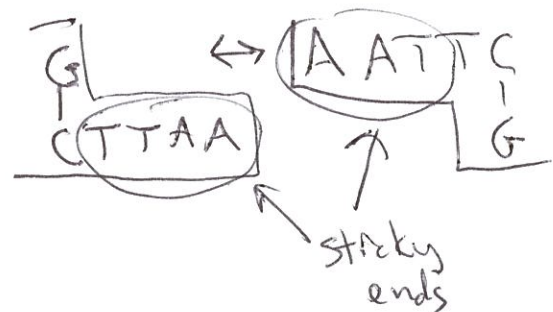
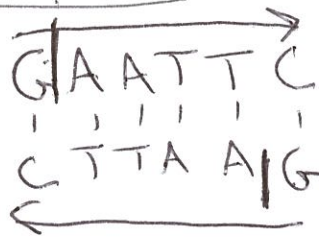
- ① Collect your DNA. Cheek, Blood, Semen, Hair cells.
- ② Extract the DNA.
- ③ Use PCR (Polymerase Chain Reaction) to amplify your DNA (make a lot of copies),
 - Copying a region that is highly variable in humans.
- ④ Add restriction enzymes to cut the DNA strands at specific palindrome sequences,
Ex: EcoRI enzyme cuts at GAATTC



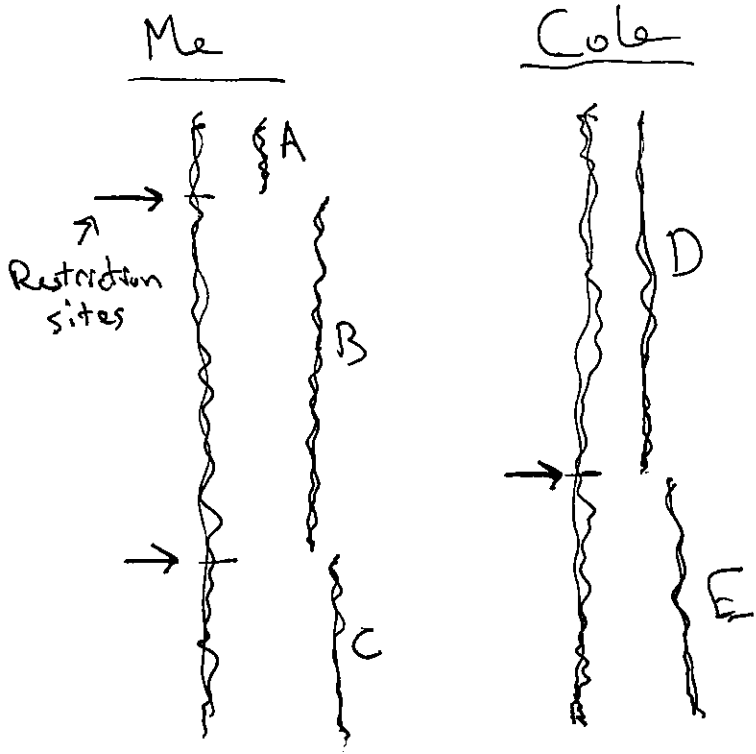
Ex: Word Palindrome!

RACE CAR

DNA Palindrome!



Example DNA Digest



Me	Cole	CS
B		
A		

no match
but may be
related to Mr. Cooke