

DNA QR Code Quest

Directions: With your partner, move to each QR station and scan the QR code to access the website where you can find the answer to the questions below.

1. How many DNA base pairs does each human haploid cell contain? Diploid?
2. How much DNA must be extracted/obtained to provide sufficient data?
3. What does VNTR stand for?
Who was the geneticist that is responsible for the application of DNA science to Forensics?
4. What 2 famous murder investigations was helped by DNA fingerprinting?
5. What does CODIS stand for?
6. How does CODIS use DNA profiles to solve crimes?
7. Who killed Linda Strait?
8. Is it possible for a mother to have fraternal twins by two different fathers? Explain.
What is this process called?
9. Who was the first person to be convicted of a rape crime (in the United States) on the basis of DNA evidence?
10. What is electrophoresis?
11. Can DNA be found in places other than the nucleus of the cell?
12. Can DNA from blood be destroyed with cleaning products?