

Name: _____ Hour: _____

Name three scientists whose work led to the discovery of the structure of DNA.

Define DNA.

What is a DNA sequence?

Define genome.

Define chromosome.

Define gene.

Define karyotype.

What information can a karyotype give us?

What are the four bases of DNA and what bases pair together?

What are the main steps of DNA replication?

What are VNTR's?

What are nucleotide polymorphisms?

What is the polymerase chain reaction (PCR)?

Who invented the PCR?

What is a PCR primer?

Define electrophoresis?

How does electrophoresis work?

What is a DNA fingerprint?

How are DNA fingerprints used to tell the difference between two individuals?