

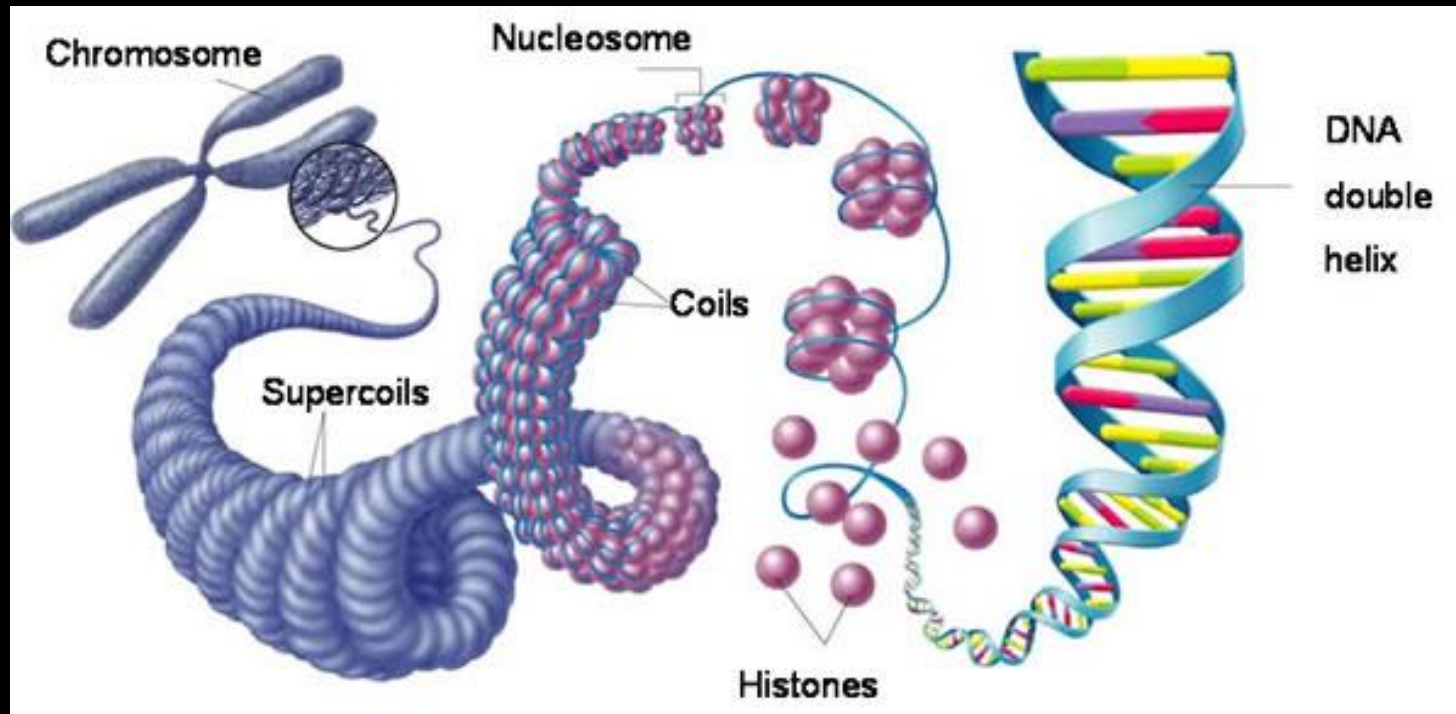
DNA Structure - Part 1



Learning Objectives

Explain the relationship
between DNA and a gene

Chromosomes and DNA



Chromosomes are made up of DNA and protein. A **gene** is a sequence of **DNA** found in chromosomes.

DeoxyriboNucleic Acid



All life on earth uses DNA to carry its genetic code.

DNA



- DNA is often called the **blueprint of life**
- DNA contains the instructions for making **proteins**

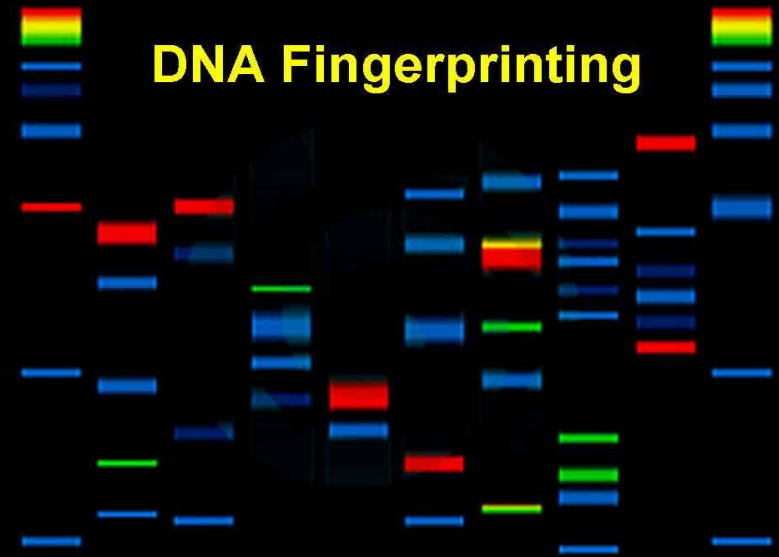
Watson and Crick's Model



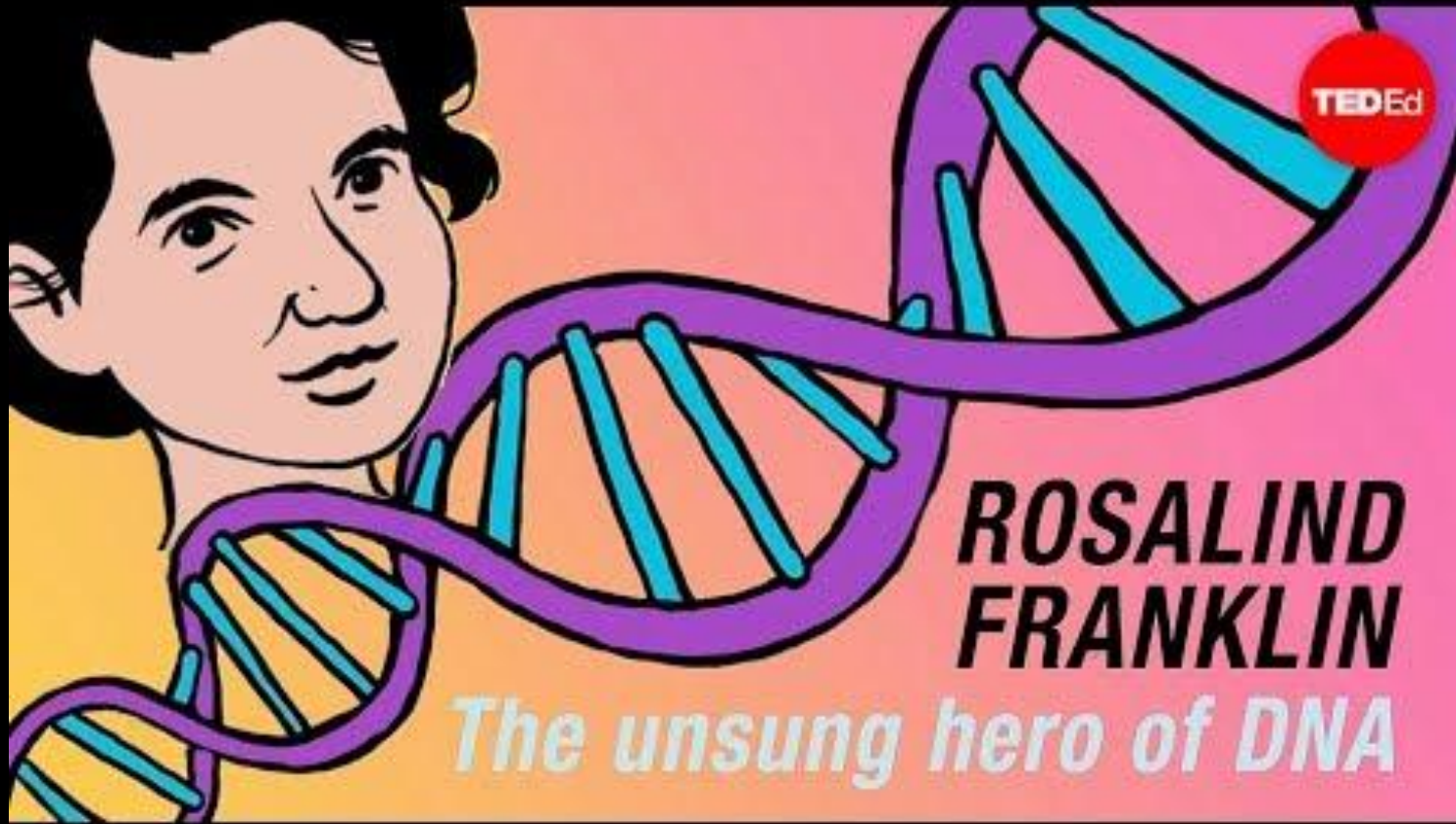
With the help of Rosalind Franklin's **X-ray diffraction** image, Watson and Crick discovered the structure of DNA

DNA Applications

- Cloning
- Forensics
- Genetic Engineering
- DNA profiling
- Medical diagnosis
- Agriculture
- Human/animal therapies



YouTube Video



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