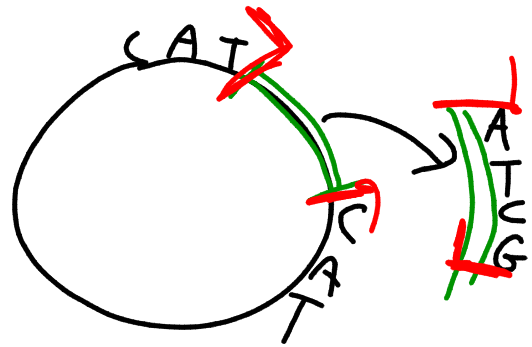


Chapter 13

- Explain how the use of bacteria has contributed to the development of DNA technology.

Produce medicines such insulin.
 - Mass Produced

- Explain the role of plasmids in engineering bacteria.



- Explain how biologists “cut and paste” DNA.

Found correct sequence.
 - Enzyme cut

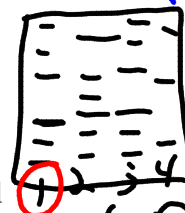
- What are restriction enzymes and how are they used

Cut DNA sequence.

- Understand DNA fragments

Specific sequence to be used to produce (insulin) gene

- Describe what gel electrophoresis and how it is used.



- Describe the use of DNA fingerprinting and how it is used

We all have unique sequences of DNA.