

9.1: Manipulating DNA

Key Concept:

- A DNA fingerprint is a type of restriction map.

- DNA fingerprints _____

- Based on _____
 - Noncoding regions have repeating DNA sequences
 - _____
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- Restriction Enzymes cut DNA.

- Restriction enzymes act as _____

- _____
- Cut DNA at a specific nucleotide sequence called a _____

- Restriction maps show the lengths of DNA fragments.

- Gel Electrophoresis _____

- DNA is cut with _____
 - _____
 - Smaller fragments move faster and _____
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- Fragments appear as _____

- DNA Fingerprinting is used in several ways.

- _____
- _____
- _____
- _____
- _____