

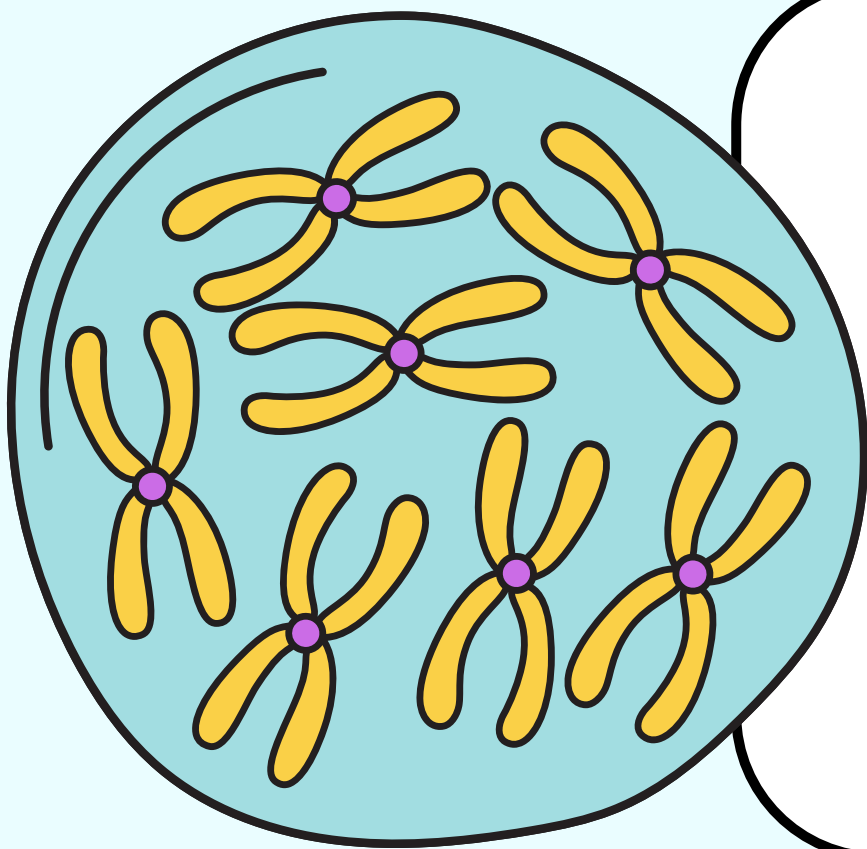


INTRODUCTION TO GENE EDITING TECHNOLOGY

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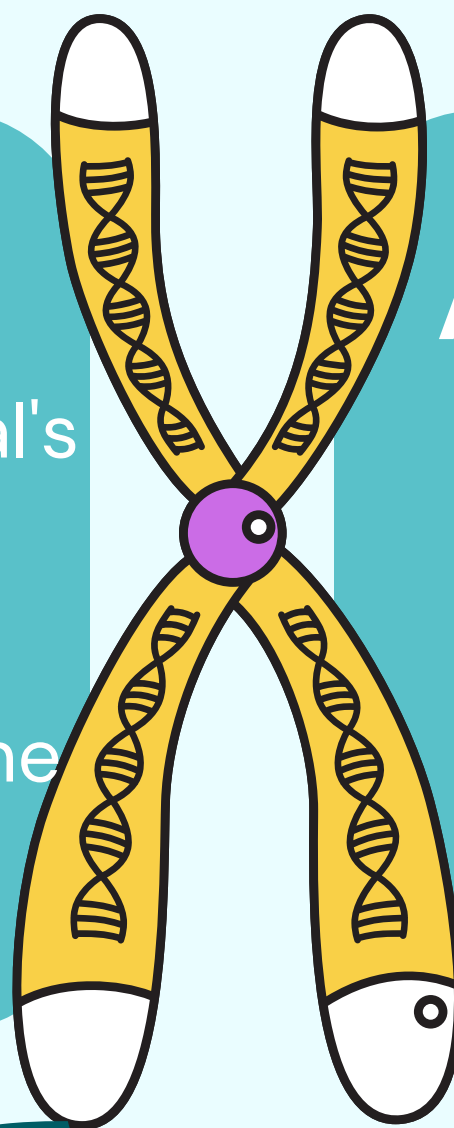


What is gene editing technology?

Gene editing technology is a technology that modifies the gene sequence inside a DNA molecule, making it possible to change or modify the function of a gene. It is possible to manipulate or modify the genetic information of an individual

Examples of application

- Transplantation of a modified animal's kidney into a human
- Only the cells in the area where the cancer cells spread are cut with gene scissors to remove the cancer cells



Application field

- medical science
- farming industry
- Industry

SOCIAL ASPECT

Positive

1. Help in treating genetic diseases
2. Improve crop yield
3. enhance livestock for agriculture

Negative

1. ethical concerns
2. the potential for unintended consequences
3. creating genetic inequalities

