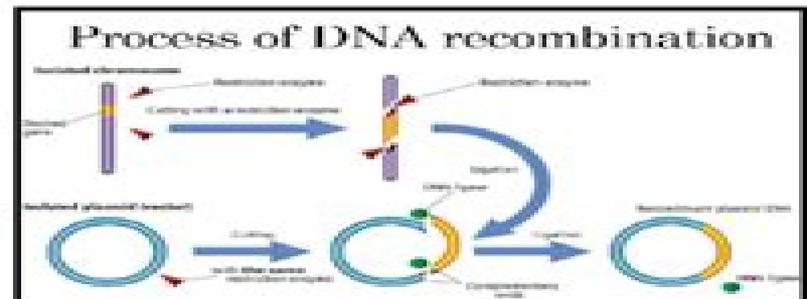
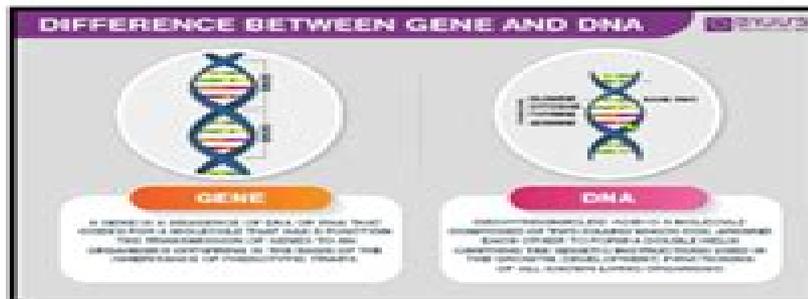
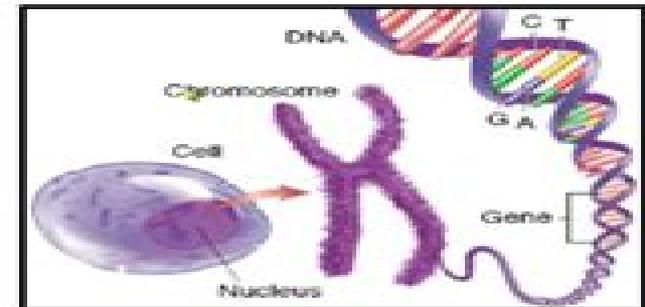


GENETIC ENGINEERING

It involves the use of molecular techniques to modify the traits of a target organism. The modification of traits may involve:

- Introduction of new traits into an organism
- Enhancement of a present trait by increasing the expression of the desired gene
- Enhancement of a present trait by disrupting the inhibition of the desired genes' expression

Why would altering the DNA affect the traits?



Basic Steps of Genetic Engineering

1. Scientists target and identify specific gene.
2. They cut the targeted gene with restriction enzyme.
3. The targeted gene is "spliced" to the DNA of another organism using ligase.
4. The new gene will be inserted in the host cell. Once inside the new cell, the new instruction from the spliced DNA will direct the cell to make new proteins for new function or characteristics.

Genetic Engineering Lesson

Donna J. Haraway, Thyrza Goodeve



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Modest Witness@Second Millennium. FemaleMan Meets OncoMouse Donna J. Haraway, Thyrsa Goodeve, 2018-06-27 One of the founders of the posthumanities Donna J Haraway is professor in the History of Consciousness program at the University of California Santa Cruz Author of many books and widely read essays including the now classic essay *The Cyborg Manifesto* she received the J D Bernal Prize in 2000 a lifetime achievement award from the Society for Social Studies in Science Thyrsa Nicholas Goodeve is a professor of Art History at the School of Visual Arts

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Biology Carol Haddox-Baldwin, 1997 **Science Workshop Series** Seymour Rosen, 2000 This program presents science concepts in areas of biology earth science chemistry and physical science in a logical easy to follow design that challenges without overwhelming This flexible program consists of 12 student texts that can easily supplement an existing science curriculum or be used as a stand alone course Reading Level 4 5 Interest Level 6 12

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