Creating New Organisms by Selective Breeding, Genetic Engineering & Cloning

1 Mutations

Genes are made of ___ and control the characteristics of ___ and plants. Changes to the DNA are called ___ and these mutations can alter characteristics.

Example of a **helpful** mutation…

Example of a **harmful** mutation…

Three causes of mutations are…

3 Genetic Engineering or GM

Definition: Genetic Engineering is…

Definition: Genetic Modification (GM) is…

Vitamin A in Rice

Insulin in Bacteria

Crops resistant to weedkiller

2 Selective Breeding

Selective breeding is when you **choose** animals and plants with **desirable** characteristics and **breed** them to create even more desirable **offspring**… simple!

Just 4 easy Steps!

4 Cloning & Asexual Reproduction

List related keywords and phrases

Nature Clones

Animal Cloning 5 easy Steps!

Plant Cloning 3 easy Steps!

Selective Breeding

Genetic Engineering

Cloning