

Creating New Organisms by Selective Breeding, Genetic Engineering & Cloning

1 Mutations

Genes are made of and control the characteristics of and parts. 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 mutation are:

2 Genetic Engineering or GM

Selective cross-breeding is

Selective cross-breeding (SB) is

Wheat & rice flour

Insulin & antibodies

Cloned papaya to resist rot

Animal Cloning & new breeds



Selective Breeding

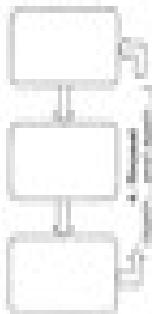
Genetic Engineering

Cloning

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 new breeds



1. Use your chosen traits, plant, animal & combine the best ones



...and you can keep doing this over and over again to create even more desirable offspring. simple!

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2 Cloning & Asexual Reproduction

Let's read keywords and phrases



Plant Cloning & new breeds

