Uses of Genetic Engineering

Genetic engineering can be used anytime desired traits want to be passed down from one generation to the next.

Selective Breeding: Takes advantage of naturally occurring traits to pass onto future generations.

Ex: Dog, plant breeding

As technology has improved there have been new techniques to pass down desirable traits from one generation to the next. Done by manipulating the genes that carry those traits.

Cloning

Step 1: Somatic (body) cells taken from the animal you want cloned.
[illegible]

Step 2: Egg cell removed from an organism belonging to the same species.
Nucleus removed from the Egg cell

Step 3: Two cells are fused and exposed to electric shock.
[illegible]

Step 4: Cell begins to divide and grow into an embryo.
[illegible]