

Monday 25th January 2016

Genetic Engineering

Types:

1. Cloning
2. GM crops
3. Stem Cells
4. Genetic Augmentation

Benefits:

- Eradicate disease
- Benefits for food industry e.g. better quality
- Health benefits ; repair tissues, organs etc

Cloning:

A form of genetic engineering that produces a new life that is a genetic copy of its parent.

Therapeutic cloning involves artificially creating duplicate genetic material to grow into spare human body parts or to replace diseased cells in a human.

Reproductive cloning involves artificially producing a duplicate animal or organism

GM crops:

These crops are grown from a seed whose genetic make up has been engineered to promote specific characteristics.

Saviour Siblings - some parents have asked to genetically select for an embryo whose cells could be used to save their ill child. The issues of this are that the child may not feel wanted as they were born to save someone else. However, they may also feel happy that they saved a life.

'Designer babies'

If technology becomes advanced enough, should we be able to select the embryo we want? Are these factors important?

- Eye colour?
- Intelligence?
- Free from disease?
- Sex of the foetus?