Biotechnology

- Genetic Engineering
 - DNA cloning
 - Isolation of DNA from one organism and putting it into another
 - Use of restriction enzymes
 - Plasmid
 - Integration in host DNA
 - Use of bacteria (E. coli)
 - Use of viral vectors

Uses of Technology

- Protein production
- Pharmaceutical proteins (insulin)
- Vaccines
 - Surface proteins
 - DNA fragments that code for proteins
- Pest resistant plants
- Herbicide resistant plants
 - Plants with improved nutritional value
 - Edible vaccines

Concerns

- Ethical
- Moral
- Adverse impacts in environment
- Bioterrorism

Confidentiality issues of using DNA from people