# Genetic control of metabolism (KA7)

Define Mutagenesis

Why are yeast sometimes used instead of bacteria?

What safety mechanisms are used in the vectors and why?

Vectors

What are they?

What kinds are used?

Why are artificial chromosomes used?

Why are antibiotic resistance genes put into the vector?

Recombinant DNA technology

What is the aim?

What is the function of the restriction endonucleases?

What enzyme cuts the plasmid?

What is involved in the process?

What are the 4 requirements of a vector?

1.

2.

3.

4.