

Making GMOs

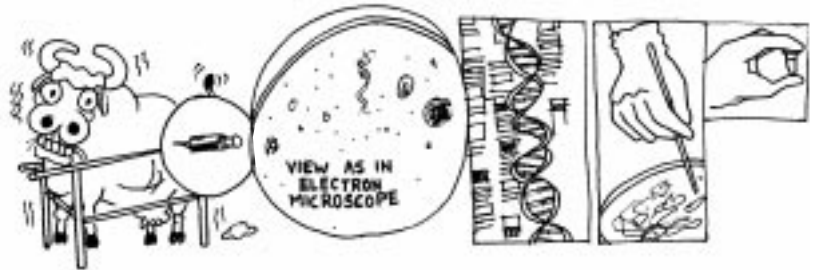
Genetically Modified Organisms (GMO) are also called LMO, i.e. Living Modified Organisms. These are organisms in which the genetic material has been altered to produce a required change.



Step 1: Identify an organism with desired gene. A plant, animal or micro-organism.



Steps 2, 3: Isolate desired gene from organism. Create modified gene sequence. Multiply recombined DNA sequence, usually in bacteria, to produce multiple copies.



Step 5: Multiplication of the modified organisms



Step 4: Insert copies of desired gene into organism to be modified, using either a particle (gene) gun or a biological agent.



ILLUSTRATIONS: KUMAR

Dr. _____'s Laboratory
(Your name)

Be a genetic engineer and design some modified plants or animals. They can be funny, useful, non-serious or absolutely frivolous.

Draw your organism(s) here. ▼

Your photograph