

Biotechnological applications

- Agro-chemical based agriculture
- Organic agriculture
- Genetically engineered crop-based agriculture

Advantages of GM crops

- Stress tolerant plants
- Reduced reliance on chemical pesticides
- Reduced post harvest losses
- Increased efficiency of mineral usage by plants
- Increased nutritional value of crop plants

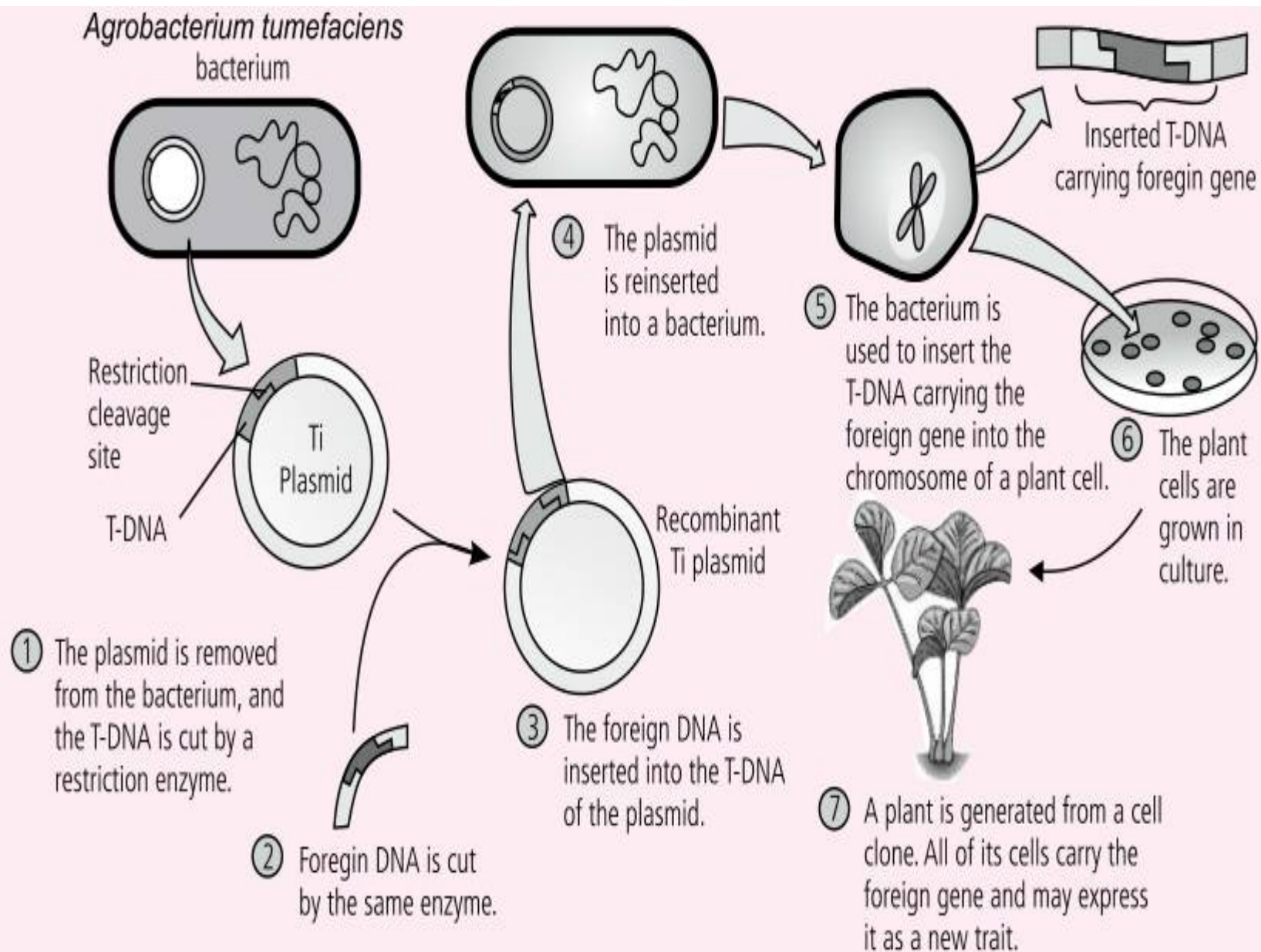


Fig.: Production of transgenic plants using Ti plasmid

Insects killed by Bt-gene

- Lepidopterans (tobacco bud worm, army worm)
- Coleopterans (beetles)
- Dipterans (flies, mosquitoes)