

## KEY FACTS

- ★ Restriction enzymes: CUT DNA at specific sequences
- ★ Ligase: JOINS DNA strands
- ★ Steps: identify gene → cut with restriction enzyme → insert into plasmid → seal with ligase → introduce to host

## KEY TERMS

<b>Restriction enzyme</b>	Cuts DNA — used to remove desired genes
<b>Ligase</b>	Joins DNA — seals gene into plasmid
<b>Recombinant DNA</b>	DNA from two different organisms

■ EXAM TIP: Restriction = CUT. Ligase = JOIN. Two enzymes, opposite functions. Both names and functions required.