

Cloning

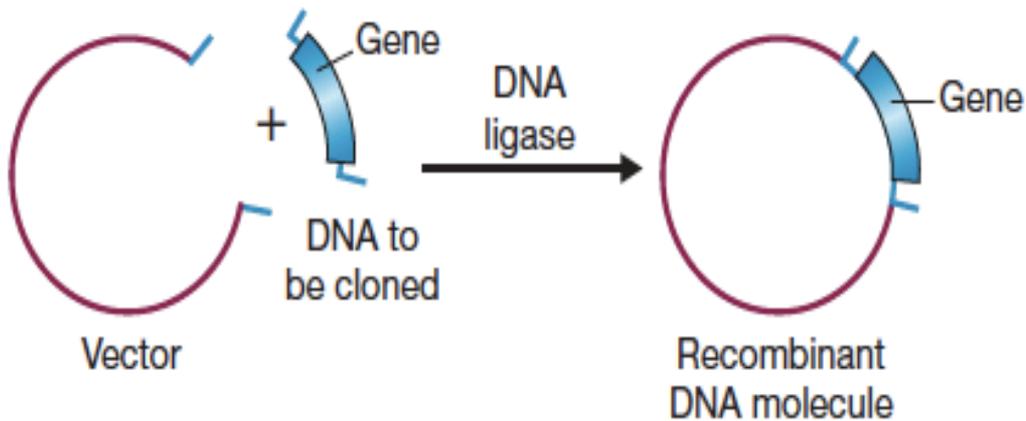
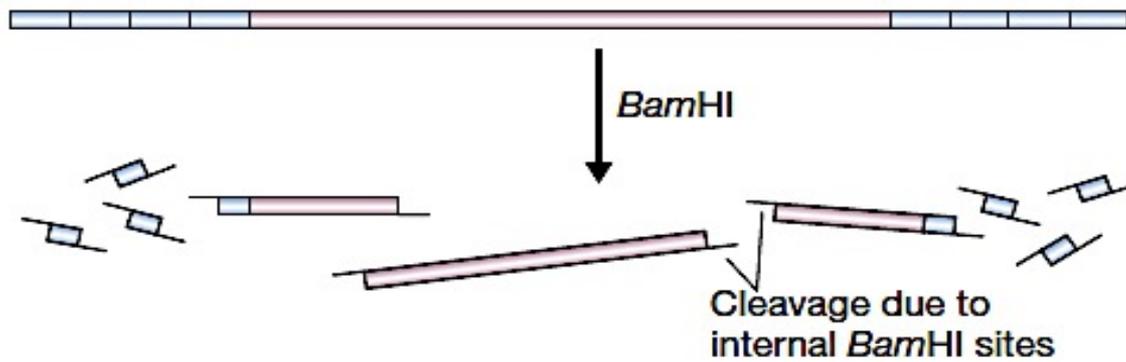


Figure 4.19

Ligation: the final step in construction of a recombinant DNA molecule.

- Adaptors

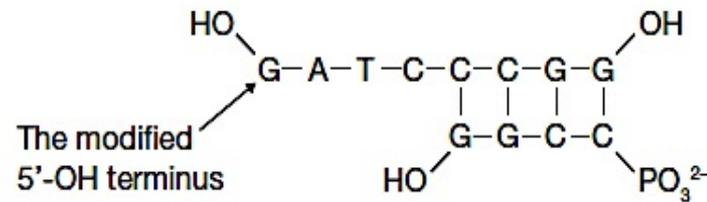


- Producing sticky ends by homopolymer tailing

Figure 4.25

The use of adaptors: (a) the actual structure of an adaptor, showing the modified 5'-OH terminus; (b) conversion of blunt ends to sticky ends through the attachment of adaptors.

(a) The precise structure of an adaptor



(b) Ligation using adaptors

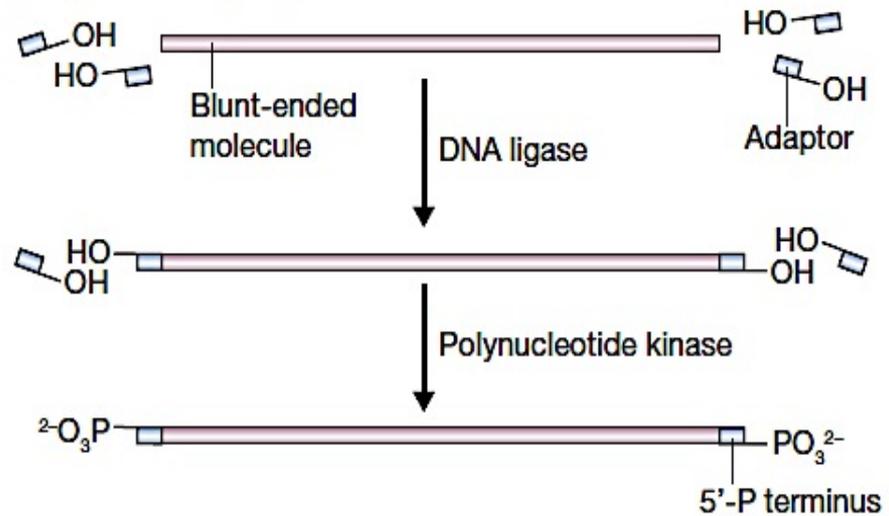


Figure 4.26

Homopolymer tailing: (a) synthesis of a homopolymer tail; (b) construction of a recombinant DNA molecule from a tailed vector plus tailed insert DNA; (c) repair of the recombinant DNA molecule.

