



FIGURE 7.16. Competence. (A) A naturally competent cell is exposed to DNA in its environment. (B) The cell takes up the DNA. (C) The DNA recombines with the chromosome. (D) A section of the new DNA replaces the homologous segment (in this case, resulting in the A^- allele replacing the A^+ allele).

7.16, adapted from Bushman F., *Lateral DNA Transfer*, Figs. 1.4, 1.3, © 2002 CSHLP, www.cshlpress.com