



**FIGURE 7.15.** Bidirectional replication. The replication process for circular bacterial genomes is diagrammed. (1) Origin (+) and terminus (-) of replication are shown. The replication machinery is shown as a ring around the DNA. (2) Replication proceeds in both directions from the origin. (3) Replication continues. (4) Replication is completed and the two circles disentangle by an enzyme that cuts, moves, and then ligates one of the circles. (5) Two daughter molecules.

7.15A, Web source no longer available