

**TABLE 24-1** The Sizes of DNA and Viral Particles for Some Bacterial Viruses (Bacteriophages)

<i>Virus</i>	<i>Size of viral DNA (bp)</i>	<i>Length of viral DNA (nm)</i>	<i>Long dimension of viral particle (nm)</i>
$\phi$ X174	5,386	1,939	25
T7	39,936	14,377	78
$\lambda$ (lambda)	48,502	17,460	190
T4	168,889	60,800	210

**Note:** Data on size of DNA are for the replicative form (double-stranded). The contour length is calculated assuming that each base pair occupies a length of 3.4 Å (see Fig. 8-15).