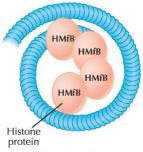


Eukaryotic nucleosome



Archaeal nucleosome

**FIGURE 6.8.** Some archaeal species fold their chromosomal DNA into structures resembling the nucleosomes of eukaryotes. (*A*) Electron micrograph of nucleosomes from *Methanobacterium thermoautotrophicum*. (*B*) Proteins homologous to eukaryotic histones are used in the core of these nucleosomes, indicating that these structures are homologous with nucleosomes of eukaryotes.

**6.8A**, reprinted from Pereiera S.L., *Proc. Natl. Acad. Sci.* **94:** 12633–12637, © 1997 National Academy of Sciences, U.S.A.; **6.8B**, source unknown

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