



FIGURE 2.31. The Central Dogma of molecular biology is that information flows from DNA to RNA to protein. *Solid arrows* indicate information flows that occur in all cells, through DNA replication, transcription of DNA into mRNA, and translation of mRNA into protein. *Dotted arrows* indicate flows that are seen occasionally, through reverse transcription and replication of RNA. Crucially, information cannot flow from protein back into nucleic acid sequence.

2.31, adapted from Crick F., *Nature* **227**: 461–563, © 1970 Macmillan, www.nature.com