Figure 5-6 Hydrogen bonds in a protein molecule. Large numbers of hydrogen bonds form between adjacent regions of the folded polypeptide chain and help to stabilize its three-dimensional shape. The protein depicted is a portion of the enzyme lysozyme, and the hydrogen bonds between the three possible pairs of partners have been differently colored, as indicated. (After C.K. Matthews and K.E. van Holde, Biochemistry. Redwood City, CA: Benjamin/Cummings, 1986.)