



Figure 13-28

*Relative importance of intensities and phases in computing an electron density map from diffraction data. The sample and data are the same as those shown in Figure 13-27. (a) Correct amplitudes were used in this Fourier synthesis, but all phases were set equal to zero. (b) Correct phases were used in this Fourier synthesis, but all amplitudes were set equal to the same average value. [After R. D. B. Fraser and T. P. MacRae, in *Physical Principles and Techniques of Protein Chemistry*, part A, ed. S. J. Leach (New York: Academic Press, 1969).]*