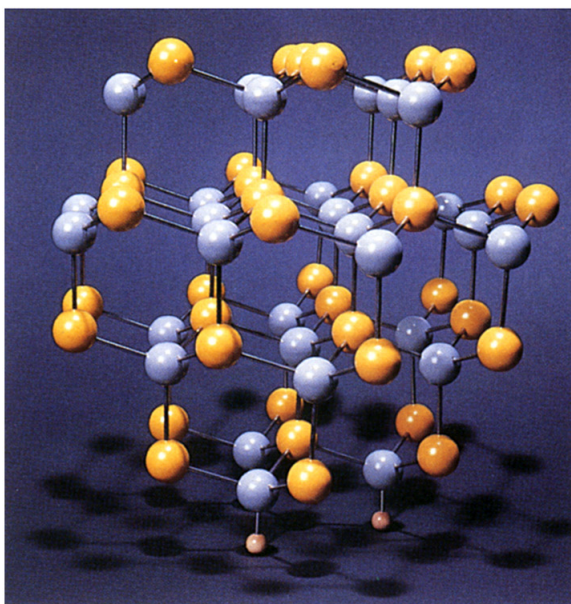


(a)



(b)

*Plate 9. Crystal models of (a) halite (NaCl) and (b) sphalerite (ZnS), the first two mineral structures worked out by the Braggs. In the halite model, the red balls represent sodium (Na) and the white ones chlorine (Cl); in the sphalerite model, the gray balls represent zinc (Zn) and the yellow ones sulfur (S). Crystal models such as these are instructive in that they show the relative positions of the constituent atoms. (Photographs by David Darst; models assembled by Klinger Educational Products Corp., College Point, New York)*