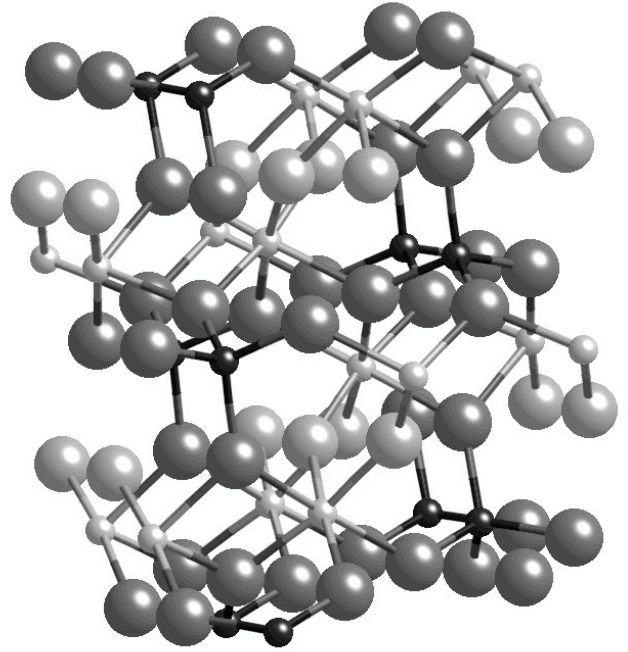


Homework #2 (you can print this out and answer on the sheet, or answer on another sheet)

Local Charge Balance

Examine the Topaz structure at right. Complete this chart for topaz:

Description in diagram	Element	Ionic Charge	Number of bonds
Dark, Big	Oxygen		
Dark, Sm.	Silicon		
Light, Sm.	Aluminum		6
Light, Big	Fluorine		



Draw a local charge balance diagram for the silicon

Draw a local charge balance diagram for the fluorine.

Draw a local charge balance diagram for the oxygen.

Draw a local charge balance diagram for the aluminum