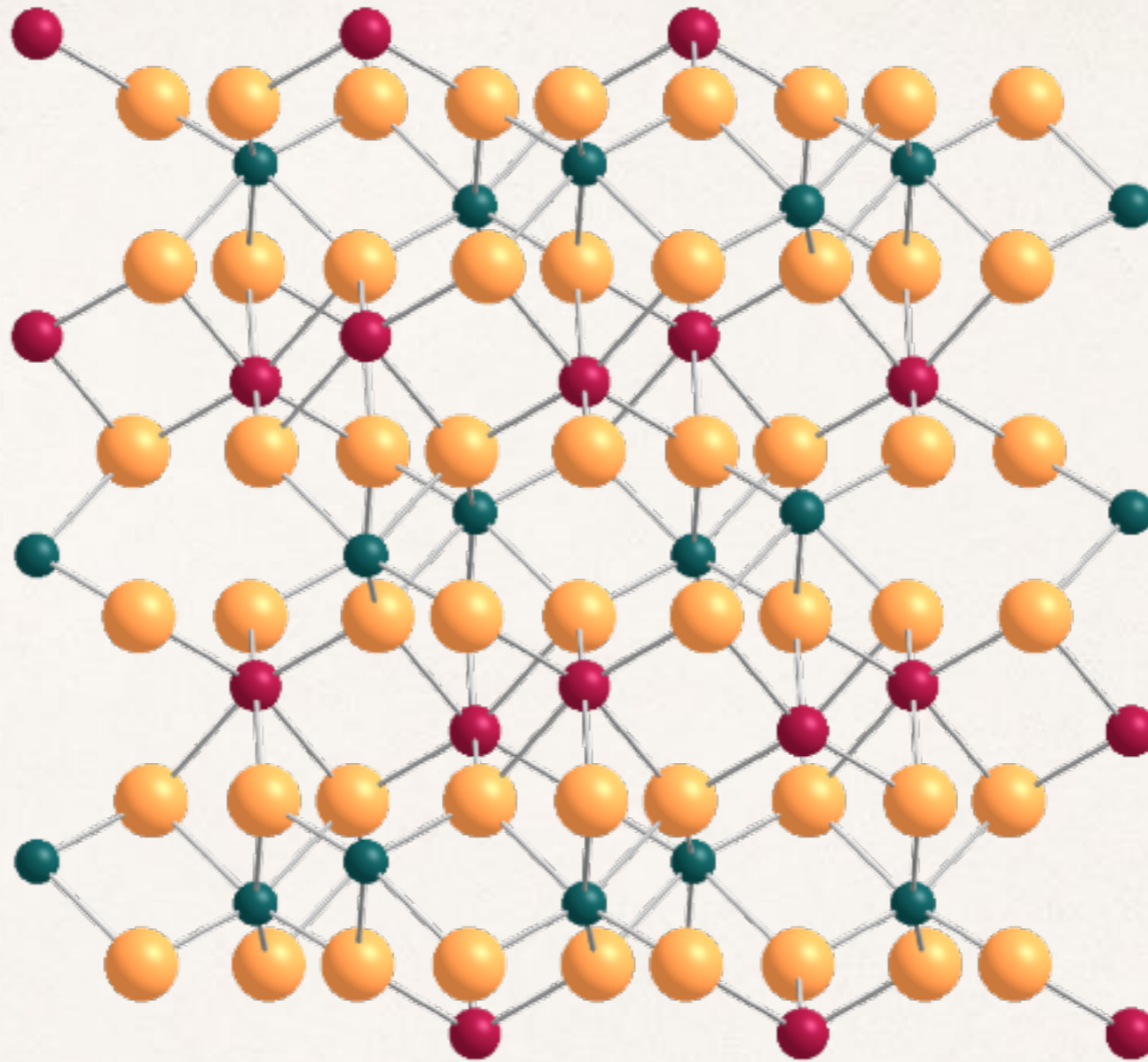


\*  $A_2X_3$  — corundum  $Al_2O_3$ , ilmenite  $FeTiO_3$ , perovskite  $BaTiO_3$



Ilmenite,  $FeTiO_3$ . Iron titanate

This structure is closely related to the corundum ( $Al_2O_3$ ) structure, but with iron and titanium in alternating layers.

The ilmenite structure is adopted by the following compounds:

$MgTiO_3$ ,  $NiTiO_3$ ,  $CoTiO_3$ ,  $FeTiO_3$ ,  $MnTiO_3$ ,  $LiNbO_3$

Crystal structure data taken from: Wechsler & Prewitt (1984) *American Mineralogist* 69:754-770