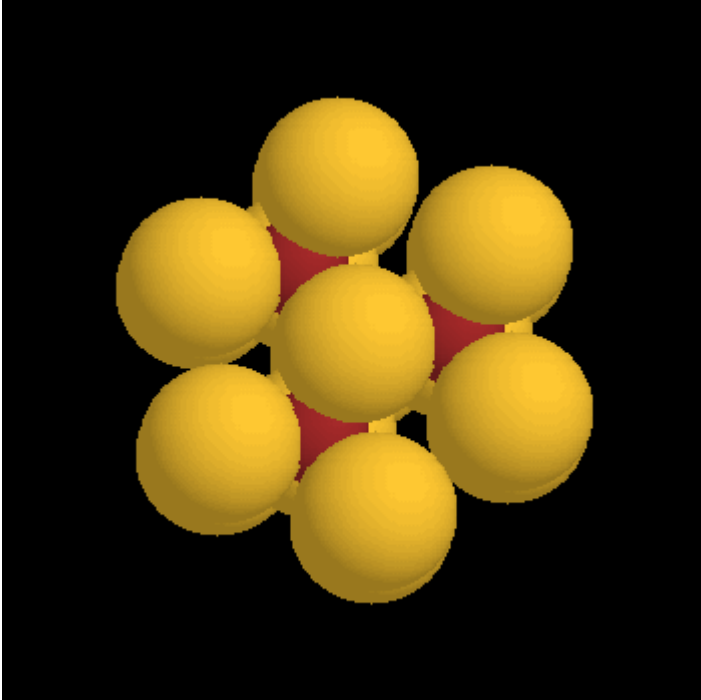


Population of Tetrahedral Holes

When working with the models, you must always work with just one colour of spheres as a time. If the ratio between anion and cation is 1:1, then it does not matter which colour you choose to represent which ion.



For YELLOW ions :

- In the Chime Model 36;
Right-click Display → Spacefill
- Can you see that RED ions occupy tetrahedral holes? (See Figure 13 in the Tutorial if in doubt)
- How many tetrahedral holes do you see in this view?
- What proportion of the holes is occupied?
- If you mentally extend the packing layer shown in this view, you will convince yourself that the same proportion of empty and occupied holes is maintained throughout the crystal structure.