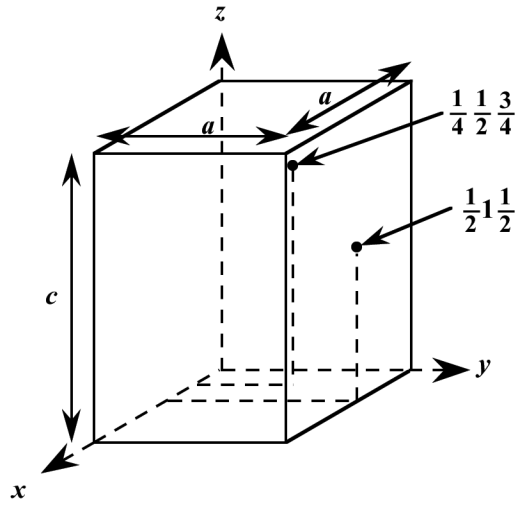


3.25 Sketch a tetragonal unit cell, and within that cell indicate locations of the $\frac{1}{2} \ 1 \ \frac{1}{2}$ and $\frac{1}{4} \ \frac{1}{2} \ \frac{3}{4}$ point coordinates.

Solution

A tetragonal unit in which are shown the $\frac{1}{2} \ 1 \ \frac{1}{2}$ and $\frac{1}{4} \ \frac{1}{2} \ \frac{3}{4}$ point coordinates is presented below.



Problems 30 d, f, h. Solutions:

