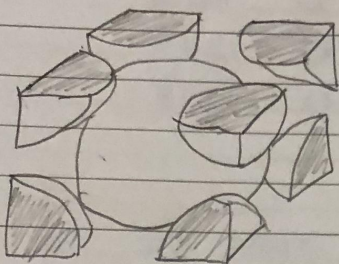


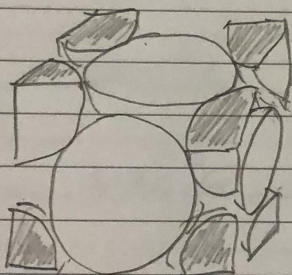
Question 2 continued.

b) i) Base centre cube



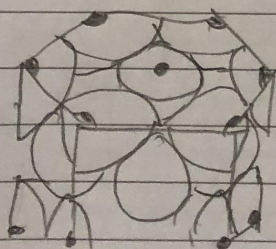
Base Centre cube, 1 atom positioned in the centre, with a section of an atom in each corner of the cube. These corners are sharing atoms with other cubes in the material.

ii) face centre cube.



face centred cubes, tighter packed than BCC, no atom in the centre but on the side faces of the cube. all corners and faces of a FCC are sharing atoms with other cubes in the material.

iii) Hexagonal close packed



Hexagonal close packed (which is really hard to draw by the way!!!) are layers of packed overlies, atoms are packed really close.