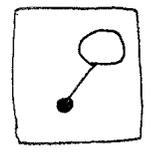


(b) Similar to (a), for each Cs^+ there is one Cl^- .
 If we consider only Cs^+ atoms, they form a sc lattice. Thus:

Bravais lattice = sc

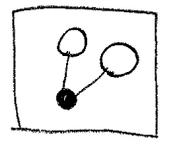
Basis = 1 Cs^+ and 1 neighboring Cl^-



(c) For each Ca^{+2} there are two F^- (CaF_2).
 If we consider only Ca^{+2} atoms, they form a fcc lattice. Thus:

Bravais lattice = fcc

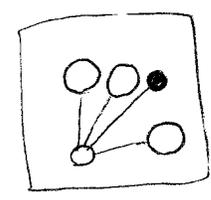
Basis = 1 Ca^{+2} and 2 neighboring F^-



(d) Perovskite = CaTiO_3

For each Ca^{+2} there are one Ti^{+4} and three O^{-2} (CaTiO_3). If we consider only Ca^{+2} atoms, they form a sc lattice. Thus:

Bravais lattice = sc



Basis = 1 Ca^{+2} , 1 neighboring Ti^{+4} and 3 neighboring O^{-2} .