- An element forms bee structure with a = 360pm,

 d = 8.96 gern3. Calculate the no: of unit colls \$

 the no: of atoms present in 107 g of the element.

 A: 6.074 ×10²³
- (3) An element ouystarlises in fac lattice of has, a cell edge of 3.608 × 10°cm

 d = 8.92 gcm³. Calculates atomic mass of the element

 A: 63.074.
- B) Ag metal vrystalises with a fee lattice.

 The length of the unit all is 4.097 × 10°cm.

 Calculate the actomic radius & density of Ag.

 at mars = 108u, NA = 6.02 × 10° mol!

 A: radius = 1.441× 10°cm d = 10.58 gcm3.
- Ag has atomic mass = 108 amu & d = 10.5 gers?

 go 'a' = 409pm, identify the type of unit ull

 Also, calculate the radius. of an atom of Ag.