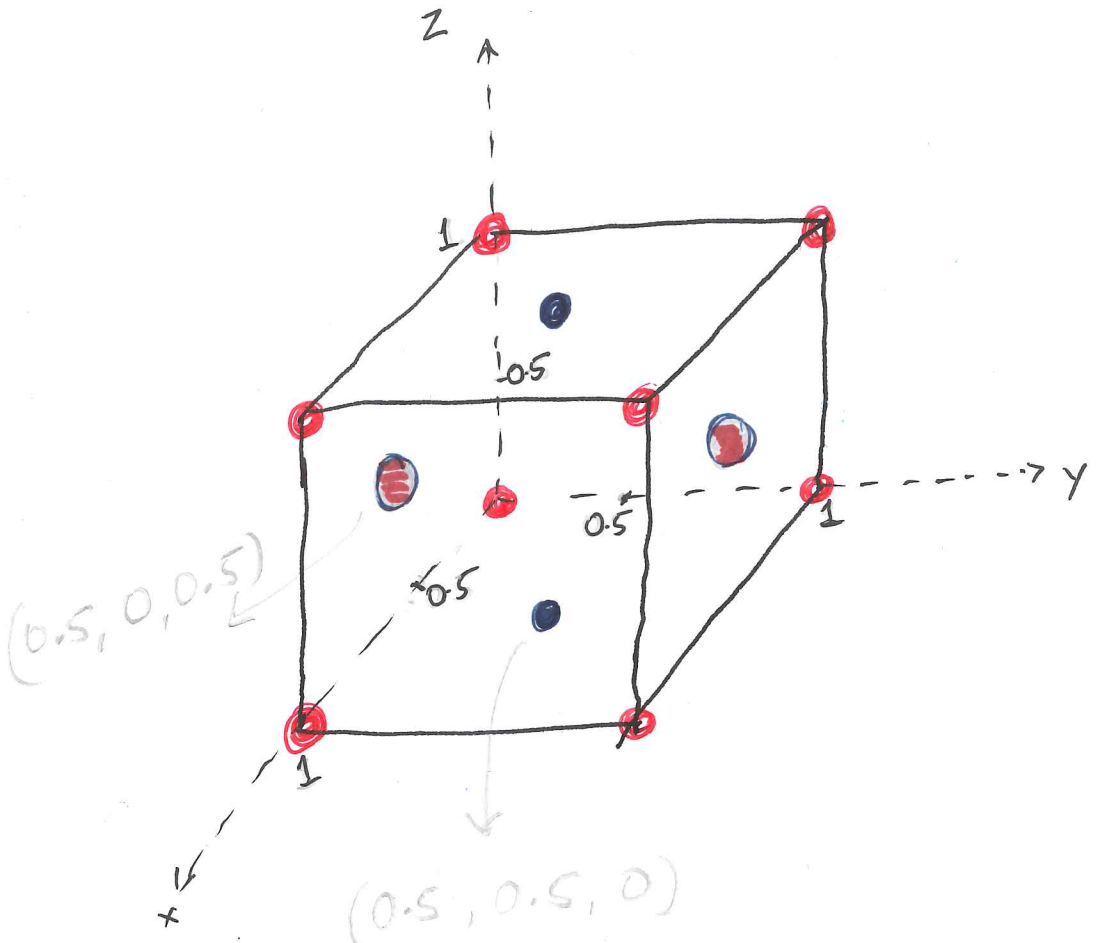
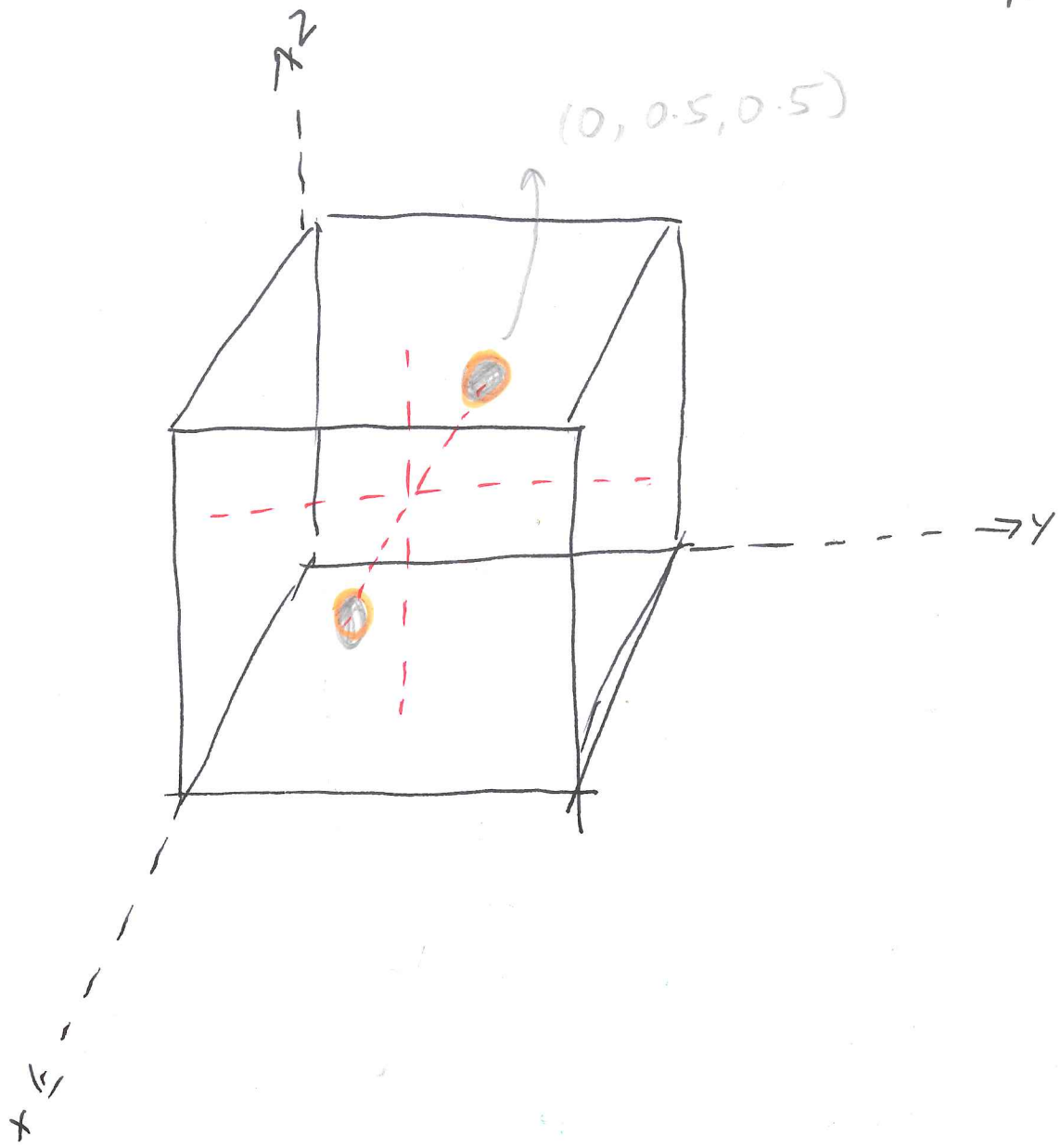
POSCAR_Au.vasp

```
Au
1.0
4.0782    0.0    0.0
0.0    4.0782    0.0
0.0    0.0    4.0782
Au
4
direct
0.0    0.0    0.0    Au
0.5    0.5    0.0    Au
0.0    0.5    0.5    Au
0.5    0.0    0.5    Au
```

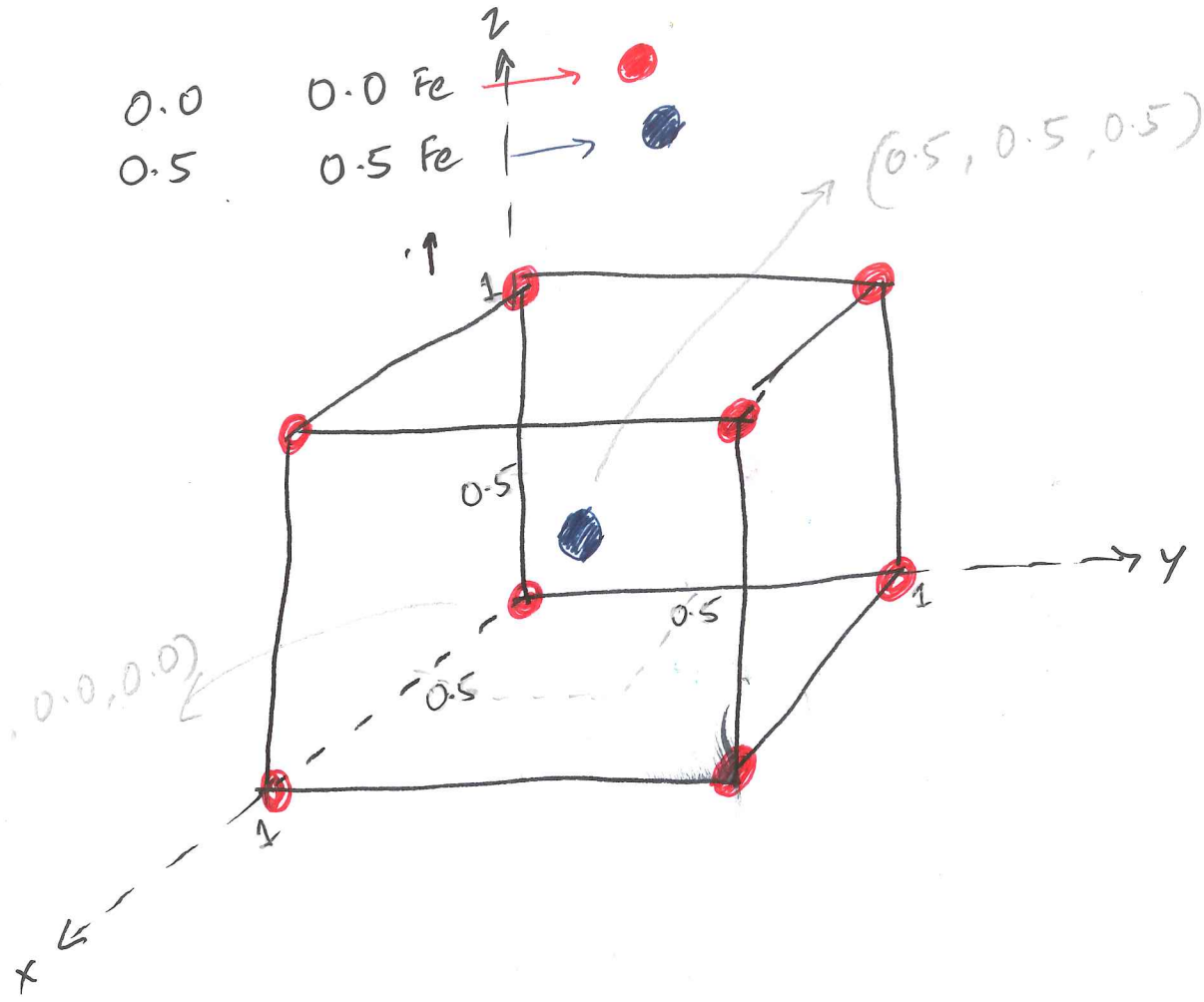
- Name of material
- scaling factor (leave it as 1)
- lattice parameter a (in Å)
- Chemical Formula
- No of atoms of Au (We mentioned Au in the last line)
- coordinates of atoms for cell of length 1




z
(0, 0.5, 0.5)
y
x

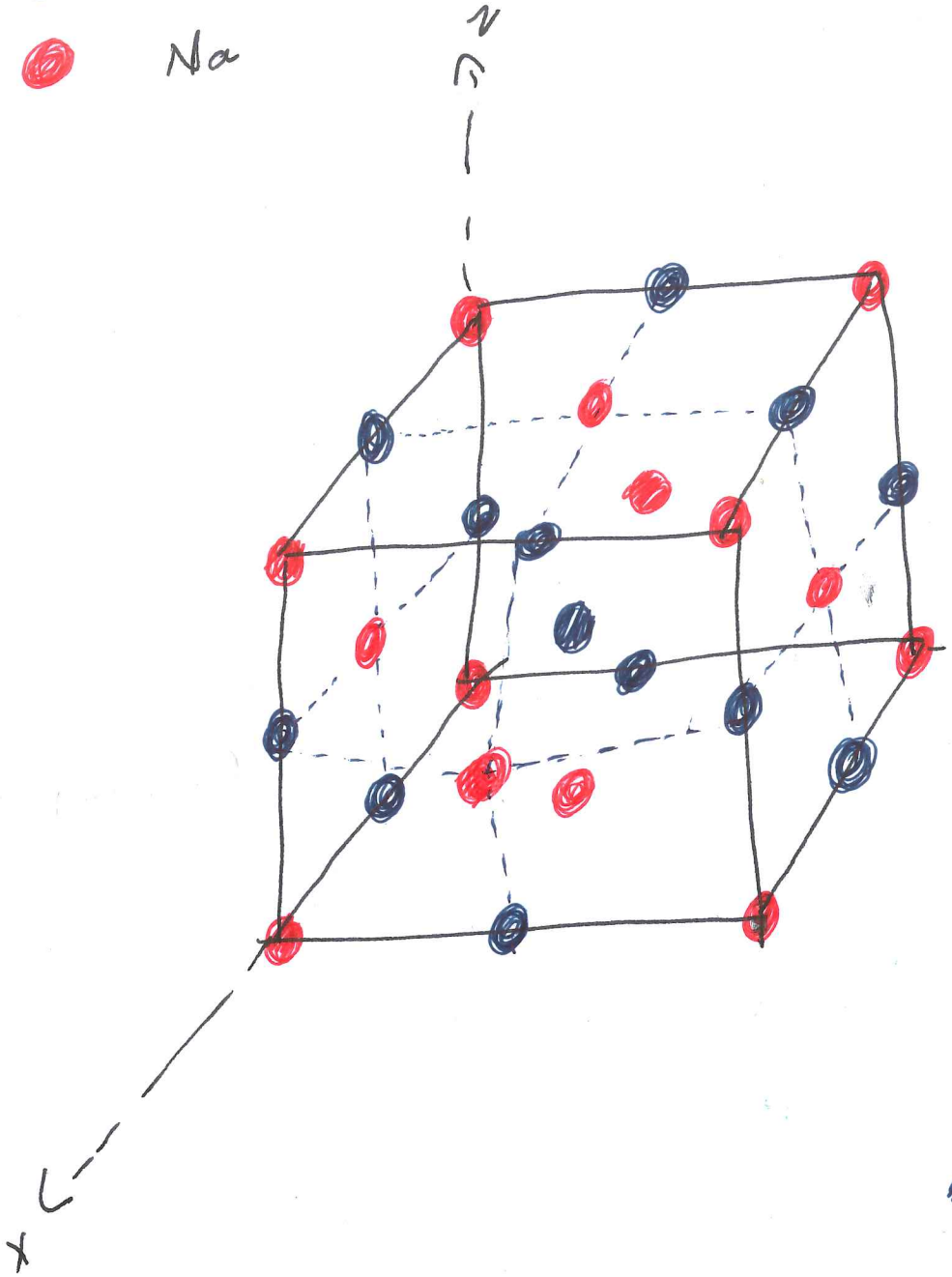
POSCAR_Fe.vasp


```
Fe
1.0
2.867     0.0     0.0
  0.0     2.867   0.0
  0.0     0.0     2.867
Fe
2
direct
  0.0     0.0     0.0 Fe
  0.5     0.5     0.5 Fe
```



Cl

Na



(0.0, 0.0, 0.0)

(0.5, 0.5, 0.5)

(0.0, 0.5, 0.5)

(0.5, 0.5, 0.0)

(0.5, 0.5, 0.0)

(0.5, 0.0, 0.0)

(0.0, 0.0, 0.5)

(0.0, 0.5, 0.0)