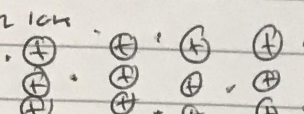


THOMAS HUGHES 1909575

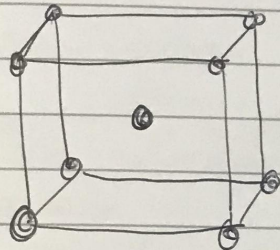
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QUESTION 2. ^{metals}  - DEGENERATED IONS

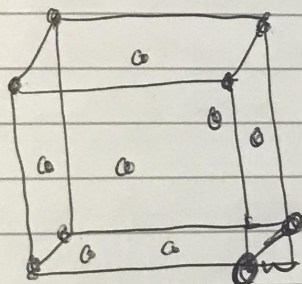
a) METALS WITH A HIGHER VALENCY HAVE MORE ATOMS PER ATOM ON THE OTHER SIDE. INCREASES REACTION WITH OTHER COMPOUNDS - IT ALSO HAS A HIGHER MELTING POINT.

b) BCC =



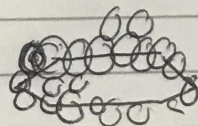
HAD ATOMS ON EACH OF 8 CORNERS PLUS ONE ATOM IN THE MIDDLE.

fcc =



IT ALSO HAD ATOMS AT EACH 8 CORNERS BUT HAS 6 ATOMS AT THE FACE OF ~~EACH~~ CUBE

HCP =



fcc + hcp PACK ATOMS AT TOP TO ANOTHER TOP AND BOTTOM PLANE OF 6 ATOMS FORMING REGULAR HEXAGON AROUND CENTRE AND EVEN LIKE EACH OTHER