N24b – Bonding Metallic Bonding & Alloys

YouTube Link to Presentation: No video as of now. So sorry!

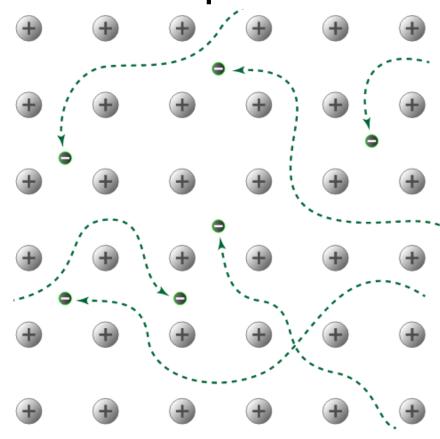
N24b – Bonding Metallic Bonding & Alloys

Target: I can describe the delocalization of electrons in metallic bonds, and can describe two types of alloys.

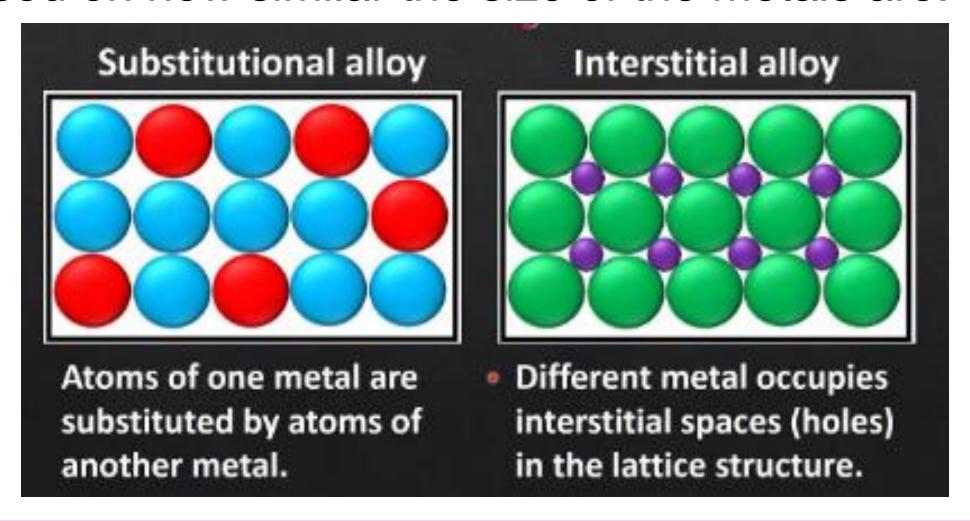
"Sea of Electrons"

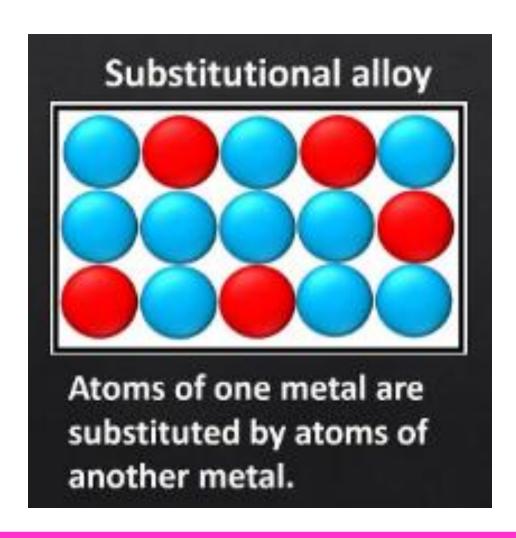
 In a metallic bond the valence electrons are delocalized, they move freely around the positive

metal ions

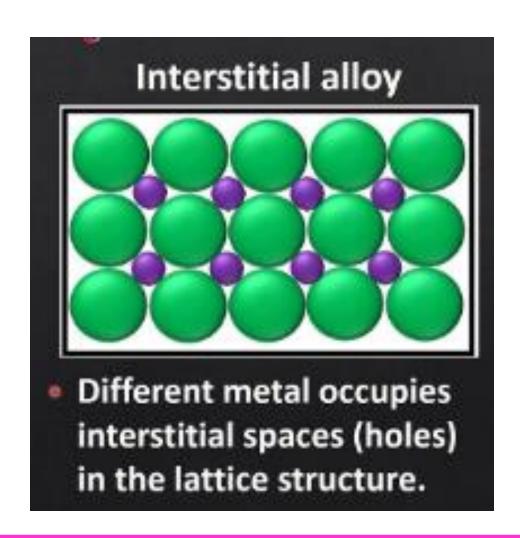


Based on how similar the size of the metals are.





 If both metals are similar sizes the "impurity" will replace/displace/substitute some of the other metal atoms.



 If the atoms are significantly different sizes the smaller atom will occupy the "interstitial spaces" between the other atoms.

- Professor Dave Explains
 - Alloys: Types and Examples

https://youtu.be/388TPL5M9us

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