

Nov 15-7:40 AM

Chap 8, 9, 10
 Bond Pressure

BONDING

Go AC \rightarrow TD became stable

① Full valence (outermost) energy level
 ② 8 valence e^- = STABLE OCTET
 (except H or He) $s^2 p^6$

lose/release ENERGY
 Exothermic $-\Delta H$

Nov 15-8:03 AM

INTRA
+

<p><u>Ionic</u></p> <p>$M_{\text{Metal}} + N_{\text{an}} M_{\text{Metal}}$</p> <p>(LEO) \rightarrow GER</p> <p>Complete <u>transfer</u> of <u>ALL</u> the <u>valence</u> e^-</p>	<p><u>Covalent bonding</u></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%; border-right: 1px dashed black; padding-right: 5px;"> <p>Ⓐ Polar</p> <p>\neq</p> <p><u>Sharing</u> of e^-</p> </td> <td style="width: 33%; border-right: 1px dashed black; padding-right: 5px;"> <p>Ⓑ Non Polar</p> <p>$=$</p> <p>Sharing of e^-</p> </td> <td style="width: 33%;"> <p>Ⓒ Coordinate</p> <p>Donation of e^-</p> </td> </tr> </table>	<p>Ⓐ Polar</p> <p>\neq</p> <p><u>Sharing</u> of e^-</p>	<p>Ⓑ Non Polar</p> <p>$=$</p> <p>Sharing of e^-</p>	<p>Ⓒ Coordinate</p> <p>Donation of e^-</p>
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Metallic bonding - Bond between metals

Intra Molecular bonds \rightarrow Bond a Molecule

Nov 15-8:10 AM

Ionic

$Na^+ + Cl^- \rightarrow Na^+ Cl^-$

[Ne] \uparrow $\underline{3s}$ [Ne] $\uparrow\downarrow$ $\underline{3s}$ $\uparrow\downarrow\uparrow\downarrow$ $\underline{3p}$

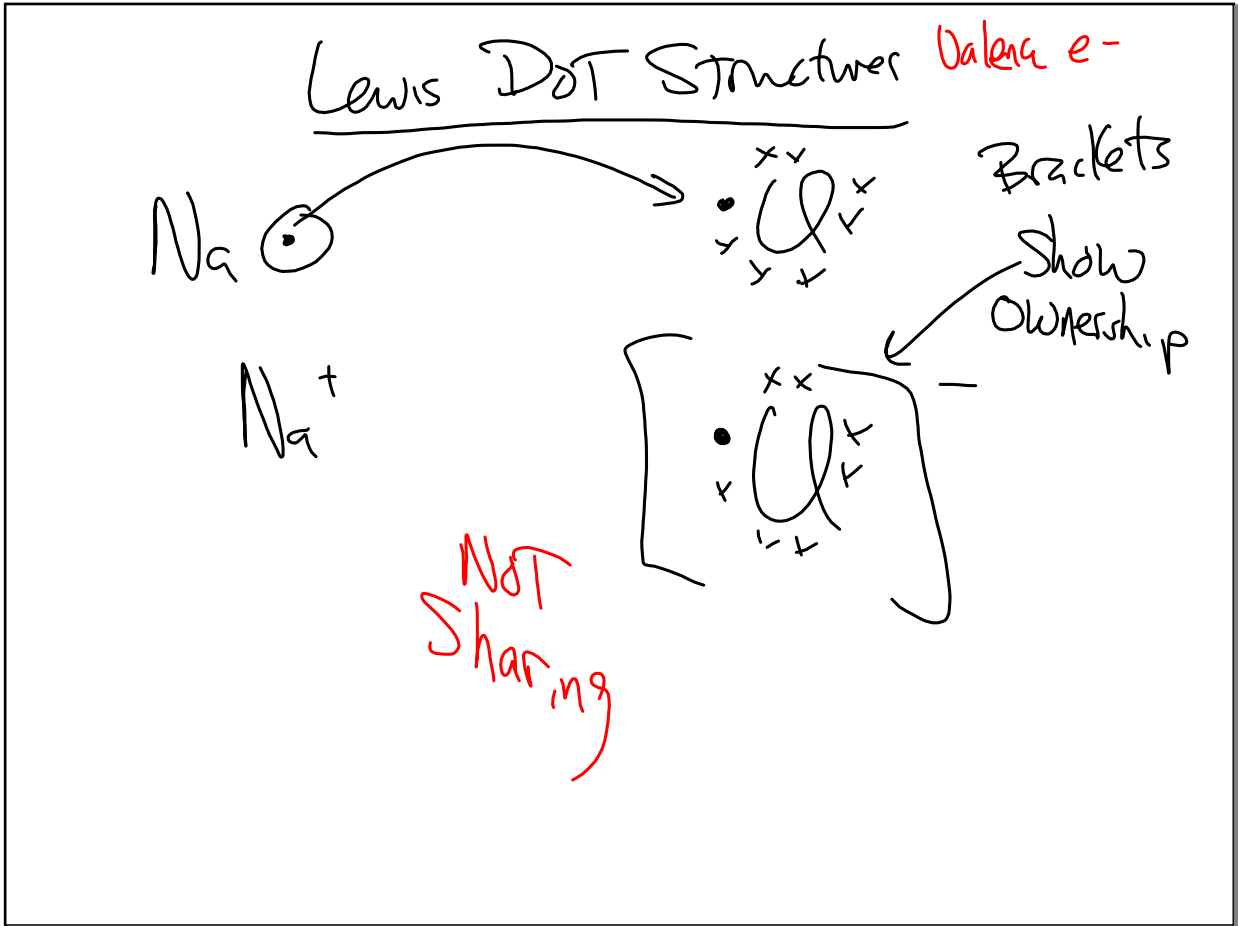
Na⁺ is isoelectronic to Ne

Cl⁻ is now isoelectronic to Ar

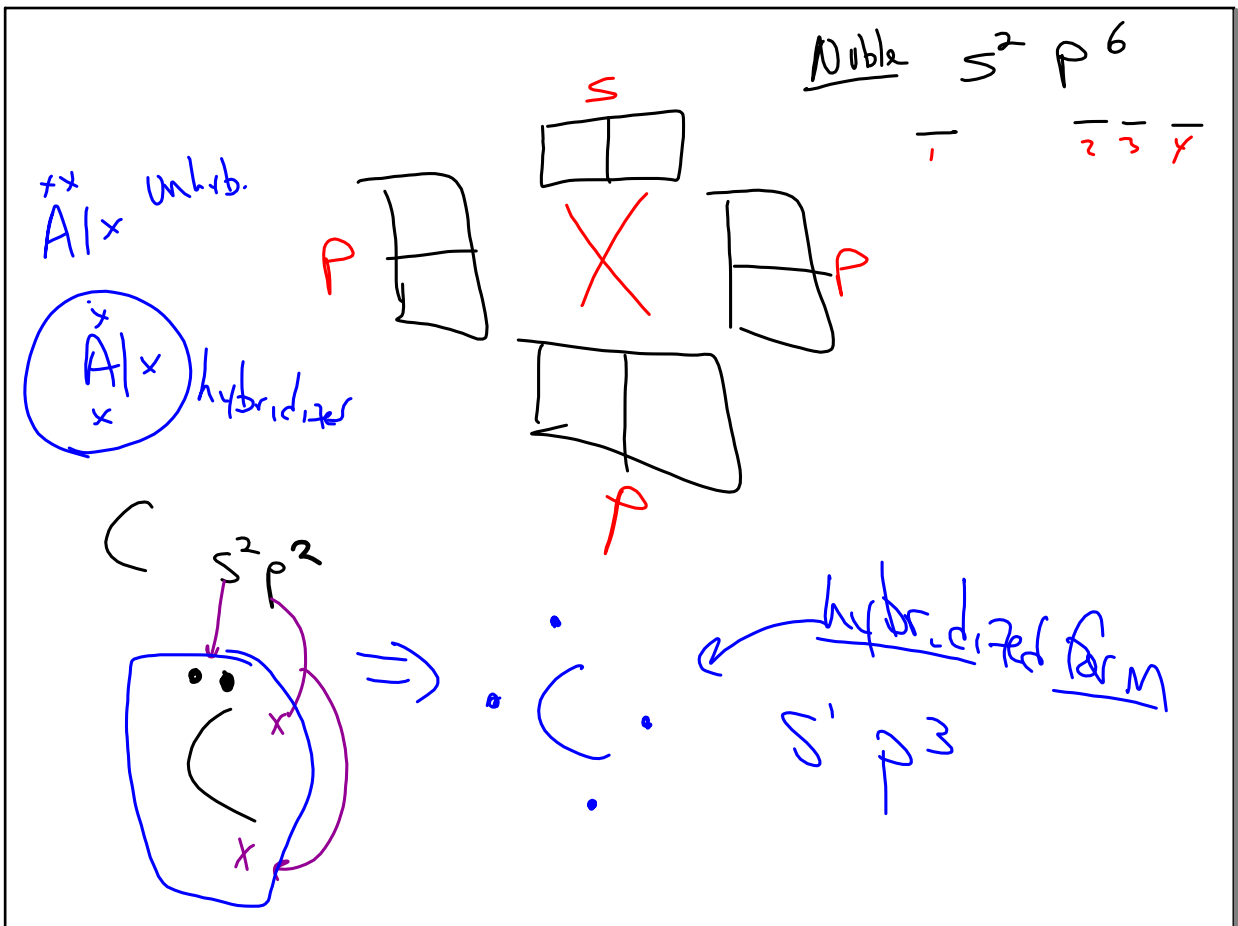
Same e^- config

config

Nov 15-8:16 AM



Nov 15-8:19 AM



Nov 15-8:20 AM

8 / 12, 16, 18

Nov 15-8:25 AM