

# "CHEMICAL BONDING"



8 electron



6 electron

↓  
Short octet.  
Group IIIA element  
in compound form  
show short octet.



10 electron  
extended octet.

- a)  $\text{NH}_3$   
b)  $\text{SO}_2$   
c)  $\text{AlCl}_3$   
d) B and C

- SHORT OCTETS ARE ALWAYS LEWIS ACID.
- EXTENDED OCTETS MAY OR MAY NOT BE LEWIS BASE.

## ENERGETICS OF BOND FORMATION:

### Formation

$$\Delta H = -ve$$

Energy released

So overall energy less

So stability occurs.

Bond length

or  
Bond distance

or  
compromise bond distance.

### Breakage

$$\Delta H = +ve$$

Heat absorbed.

Overall energy increases

Stability loses.

# Chemical Bonding Notes And Study Guide Answers

**Arshad Iqbal**



## **Chemical Bonding Notes And Study Guide Answers:**

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In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Chemical Bonding Notes And Study Guide Answers**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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