



Name: ..... ( )  
Class: .....  
Date: ..... / ..... / .....

# Chem!stry

## Dot-and-Cross Diagrams to Represent the Structures of Compounds – Intermediate

Draw dot-and-cross (• and ×) diagrams to show the arrangement of the electrons, and hence the bonding, in the following compounds. There is no need to draw the inner electron shells – draw the valence electron shells only. Remember to include a key in your answer.

Aluminium Chloride – Formula: .....	Carbon Dioxide – Formula: .....
Calcium Nitride – Formula: .....	Hydrazine – Formula: .....
Aluminium Oxide – Formula: .....	Hydrogen Cyanide – Formula: .....

- Scan the QR code given below for the answers to this assignment.



[http://www.chemist.sg/chemical\\_bonding/dot\\_cross\\_diagrams/dot\\_cross\\_intermediate\\_ans.pdf](http://www.chemist.sg/chemical_bonding/dot_cross_diagrams/dot_cross_intermediate_ans.pdf)

- Once you have completed this assignment, scan the QR code given below to try the **Dot-and-Cross Diagrams to Represent the Structures of Compounds – Advanced** level worksheet.



[http://www.chemist.sg/chemical\\_bonding/dot\\_cross\\_diagrams/dot\\_cross\\_advanced\\_qu.pdf](http://www.chemist.sg/chemical_bonding/dot_cross_diagrams/dot_cross_advanced_qu.pdf)