

Name: ()
Chem!stry Class:

Date: / /

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

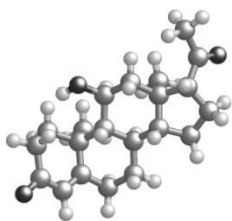
Draw dot-and-cross (• and ×) diagrams to show the arrangement of the electrons, and hence the bonding, in the following compounds. There is no need to draw the inner electron shells – draw the valence electron shells only. Remember to include a key in your answer.

Sodium Chloride – Formula:	Water – Formula:
Magnesium Oxide – Formula:	Ammonia – Formula:
Potassium Sulfide – Formula:	Methane – Formula:

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



http://www.chemist.sg/chemical_bonding/dot_cross_foundation_ans.pdf



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

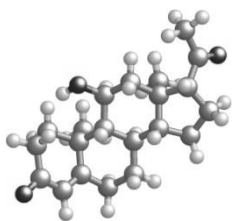
Draw dot-and-cross (• and ×) diagrams to show the arrangement of the electrons, and hence the bonding, in the following compounds. There is no need to draw the inner electron shells – draw the valence electron shells only. Remember to include a key in your answer.

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

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



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

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.

Germanium Tetrachloride – Formula:	Ethene – Formula:
Ethyne – Formula:	Calcium Hydroxide – Formula:
Ammonium Chloride – Formula:	Sodium Ethanoate – Formula:

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



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