

3. Chemical bonding

3.3 Metallic bonding

Paper 2

Question Paper

- 1 (c) Draw a labelled diagram to show the structure and bonding in sodium.

[1]

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- 2 Magnesium shows reactions typical of a Group 2 metal.

(a) Draw a labelled diagram to show the bonding in magnesium metal.

[2]

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- 3 Propene, C_3H_6 , reacts with H_2O in the presence of an acid catalyst to form an alcohol with molecular formula C_3H_8O .

(c) Complete the table to show the numbers of sigma (σ) bonds and pi (π) bonds present in propene, C_3H_6 , and C_3H_8O .

	σ	π
C_3H_6		
C_3H_8O		

[2]

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