

- 1 Lithium is a metal from Group 1 in the periodic table. Chlorine is a non-metal from Group 7 that exists as a gas at room temperature.

Lithium can react with chlorine to produce lithium chloride.

- 1 (a) (i) Lithium and chlorine are described as elements.

Explain why.

[1 mark]

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- 1 (a) (ii) Write a word equation for the reaction of lithium with chlorine

[2 marks]

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- 1 (a) (iii) Describe how bonding occurs between lithium and chlorine.

[4 marks]

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(Total 7 marks)

End

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