

**Paper 4****Questions are applicable for extended candidates only**

1 This question is about sodium and compounds of sodium.

**(a) (i)** Describe the bonding in a metallic element such as sodium.

You may include a diagram as part of your answer.

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.....  
..... [3]

**(ii)** Describe how solid sodium conducts electricity.

..... [1]

2 Potassium is a Group I element.

**(a)** Name and describe the bonding in potassium.

name .....

description .....

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.....

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[4]