

0	1
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Carbon dioxide is one of the gases in the air.

An instrumental method is used to measure the amount of carbon dioxide in the air.

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Give **one** reason for using an instrumental method.

[1 mark]

.....

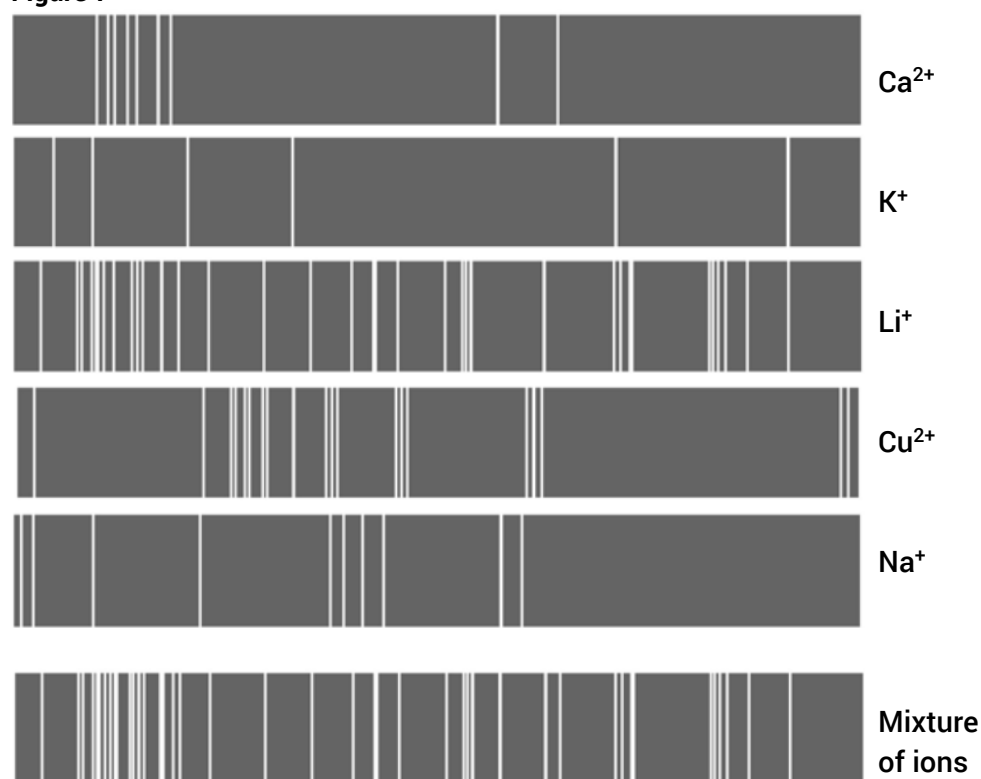
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0	2
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Flame emission spectroscopy can be used to analyse metal ions in solution.

Figure 7 gives the flame emission spectra of five metal ions, and of a mixture of two metal ions.

Figure 7



0	2	.	1
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Use the spectra to identify the **two** metal ions in the mixture.

[2 marks]

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0	2	.	2
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Explain why a flame test could **not** be used to identify the two metal ions in the mixture.

[2 marks]

.....

.....

(Total 5 marks)

End