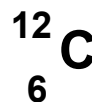
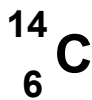


- 1 Two **isotopes** of carbon are shown.



Explain what is meant by the term '**isotopes**'. Include numbers of the subatomic particles in your answer.

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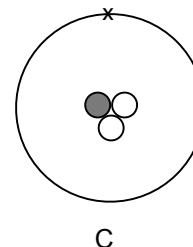
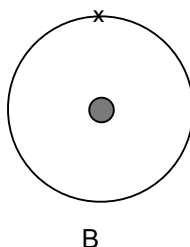
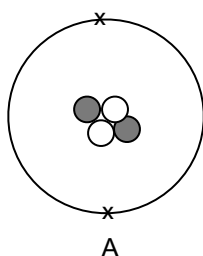
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(4 marks)

- 2 The diagram shows three isotopes of hydrogen.



● Proton ○ Neutron x Electron

- 2 (a) How can you tell from the diagrams that they are all atoms?

.....

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(1 mark)

- 2 (a) (i) Which of the atoms shown are isotopes? Explain your choice.

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(3 marks)

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