Do not write outside the box

1 Complete the gaps in the paragraph below. Use the words that are given to help.

electrolyte	**reduced**	**solution**	**compounds**	**elements**	**molten**

Passing an electric current through ionic substances that are ....., or in solution breaks them down into ..... This process is called electrolysis and the substance that is broken down is called the .....

(3 marks)

1 (a) (i) In the electrolysis of lead bromide, bromide ions (Br^-) are converted to bromine gas.

Explain in detail, how this happens. You do not need to include the half equation in your answer.

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(4 marks)

(Total 7 marks)

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