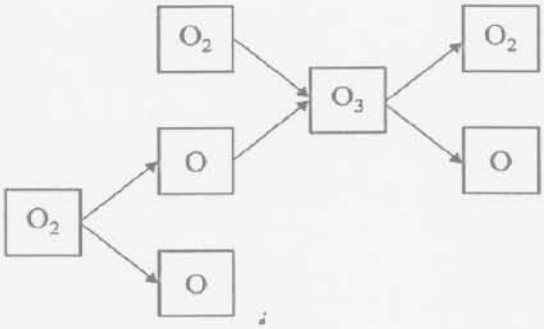
The diagram shows some of the reactions which occur in the ozone layer.



(a) Outline the role of ultraviolet light (UV) in these reactions in the stratosphere.

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(3 marks)

(b) Describe the significance of the ozone layer for life on Earth.

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(2 marks)

(c) Describe how reactions involving chlorofluorocarbons (CFCs) affect the amount of ozone in the stratosphere.

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(3 marks)