

AQA – Halogenoalkanes – AS Chemistry P2

1. No.3

0 3

This question is about CFCl_3 CFCl_3 used to be the propellant in most aerosol cans.

0 3 . 1

Use IUPAC rules to name CFCl_3

[1 mark]

0 3 . 2

Give an equation for each of the **two** propagation steps in the conversion of CHFCl_2 into CFCl_3

[2 marks]

Equation 1

Equation 2

0 3 . 3

In the presence of ultraviolet radiation, CFCl_3 breaks down in the upper atmosphere to form chlorine free radicals.

Give an equation for this reaction.

[1 mark]
