

Marks
2

- It has been proposed that the reaction $\text{Cl}_2(\text{g}) + \text{CHCl}_3(\text{g}) \rightarrow \text{HCl}(\text{g}) + \text{CCl}_4(\text{g})$ proceeds by the following mechanism:



Derive the rate expression for this mechanism.

Answer:

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.