Hofmann rearrangement, also known as Hofmann degradation and not to be confused with Hofmann elimination, is the reaction of a primary amide with a halogen (chlorine or bromine) in strongly basic (sodium or potassium hydroxide) aqueous medium, which converts the amide to a primary amine. eg:

\[
\text{Et} \text{CONH}_2 + \text{Br}_2, \text{NaOH} \rightarrow \text{EtNH}_2 + \text{CO}_2
\]

**Mechanism**

[Diagram of the mechanism]

see also nitrene

**Contributors**

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