

Q4. When acetamide is converted to methylamine, what is the name of the reaction?

- a) Friedel-Craft's reaction
- b) Hofmann reaction
- c) Hofmann bromamide reaction
- d) Hinsberg reaction

Answer: c

Explanation: When bromine is added to an amide in an aqueous or ethanolic sodium hydroxide solution, the amide degrades, resulting in the creation of primary amine. Hoffmann bromamide degradation reaction is a reaction that involves the degradation of an amide.