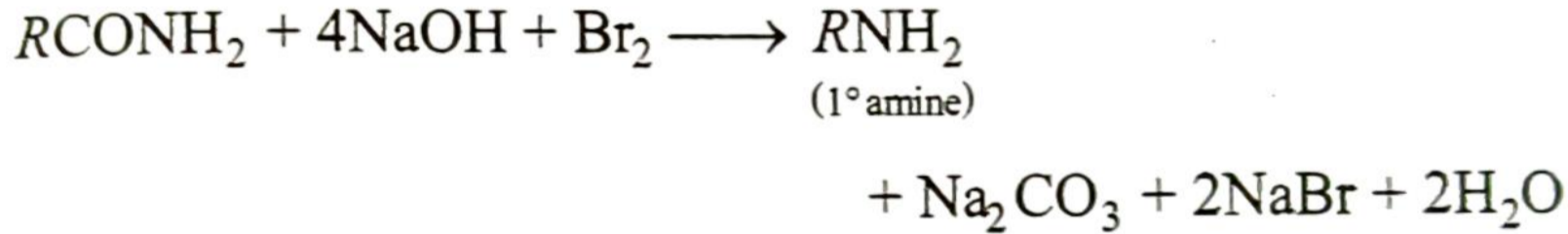


16. In the Hofmann-bromamide degradation reaction, the number of moles of NaOH and Br₂ used per mole of amine produced are

(2016 Main)

- (a) four moles of NaOH and two moles of Br₂
- (b) two moles of NaOH and two moles of Br₂
- (c) four moles of NaOH and one mole of Br₂
- (d) one mole of NaOH and one mole of Br₂

16. Hofmann-bromamide degradation reaction is given as:



Hence, four moles of NaOH and one mole of Br₂ are used.