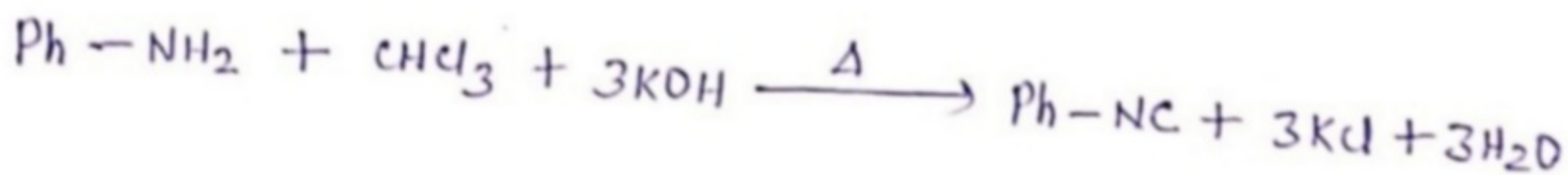
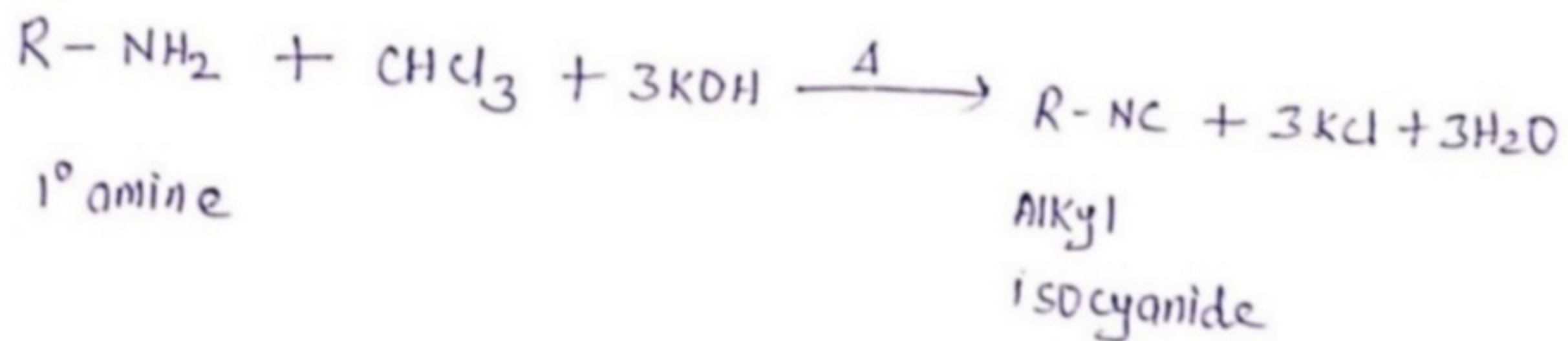


SHORT NOTES FOR DEG-I (H) 1.

By:-Dr.Rinky , 22/10/2020

Carbyl Amine Reaction

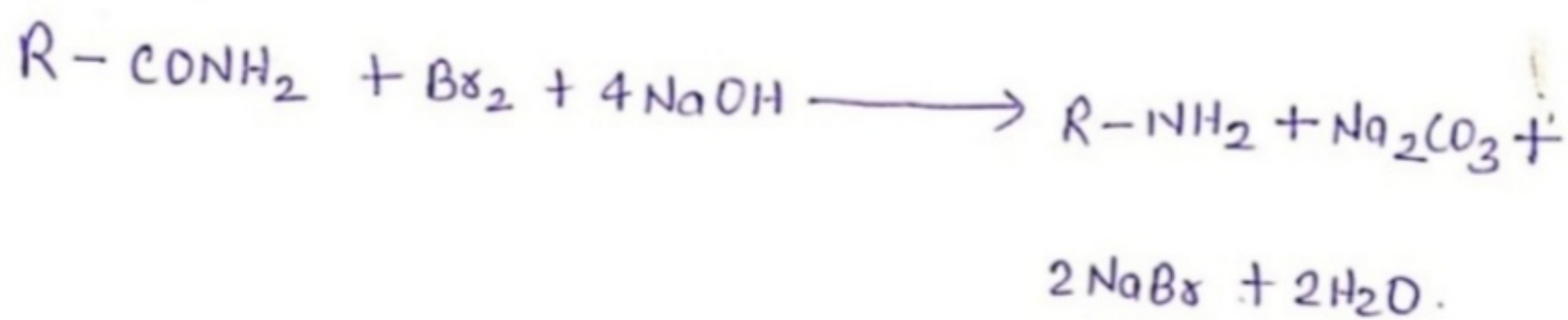
- * When aliphatic/aromatic primary amines are heated with chloroform and alc. KOH, foul smelling alkyl isocyanides or carbyl amines are obtained.
- * Secondary or tertiary amines do not give this test.
- * This reaction is used to distinguish primary amine.



Completed

Hoffmann Bromamide Reaction

- * When an amide is treated with bromine in an aqueous or ethanolic solution of sodium hydroxide, degradation of amide takes place leading to the formation of primary amine. This reaction involving degradation of amide and is popularly known as Hoffmann bromamide degradation reaction.
- * The primary amine thus formed contains one carbon less than the number of carbon atom in that amide.



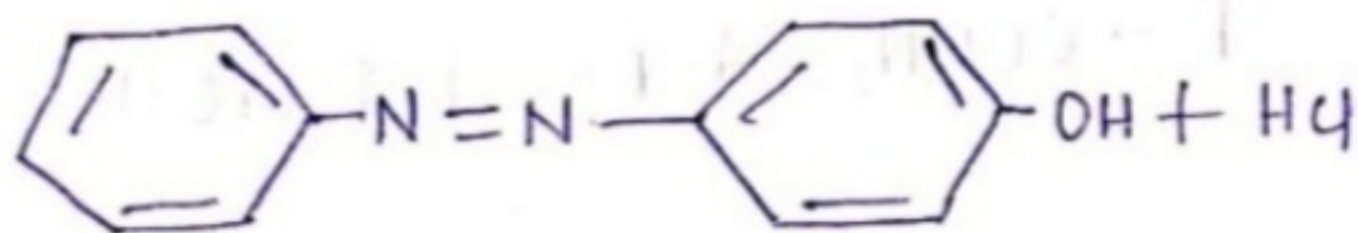
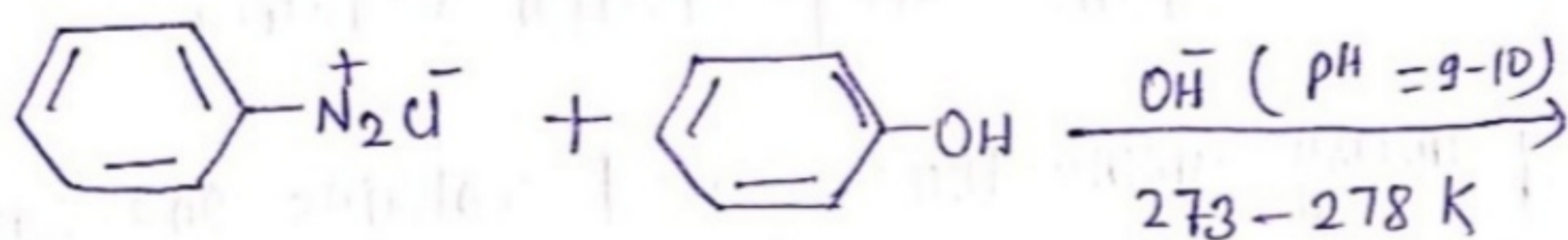
cond

Diazocoupling Reaction

- * In this reaction, an arene diazonium salt reacts with aromatic amino compound (in acidic medium) or a phenol (in alkaline medium) to form brightly coloured azo compounds.

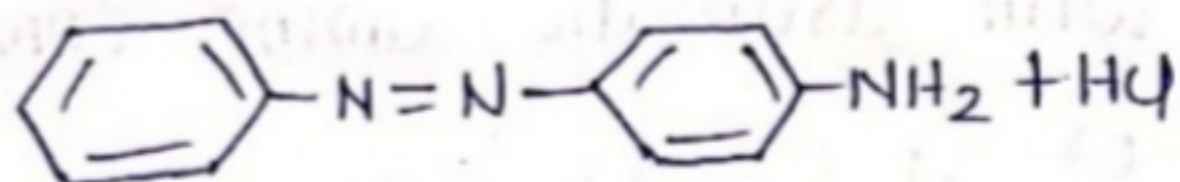
The reaction generally takes place at para position to the hydroxy or amino group.

If para position is blocked, it occurs at ortho position and if both ortho and para positions are occupied, then no coupling takes place.



p-hydroxy azobenzene

(Orange dye)



p-amino azobenzene
(Yellow dye)

Completed..