

Chemistry

නයිට්‍රජන් දත්තර්ගත කාබනික සංයෝග

Nitrogen Containing Organic Compounds

කෙටි සටහන්



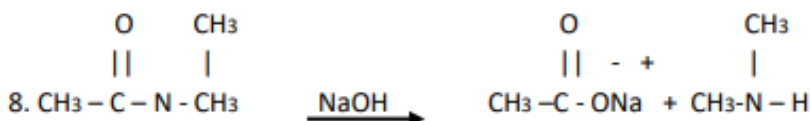
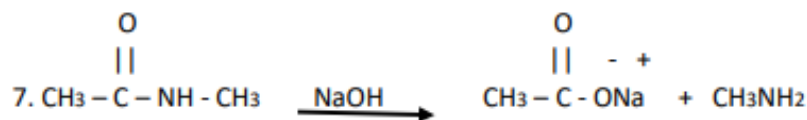
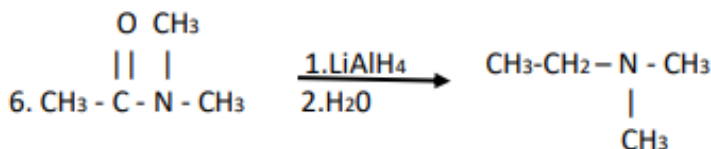
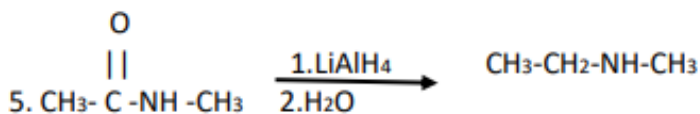
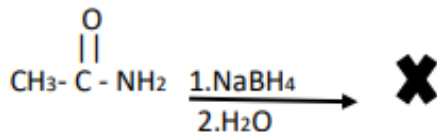
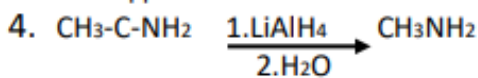
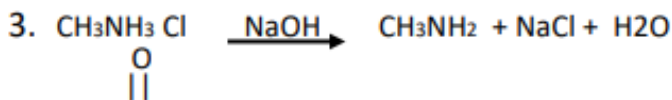
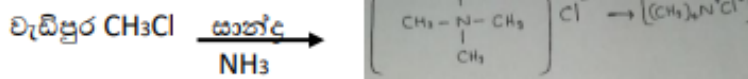
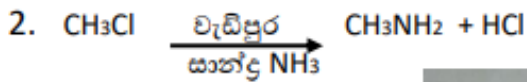
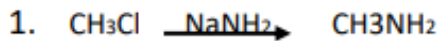
විද්‍යා ඇතුළු දැනුම
තැන් කිරීම විකිදවන කතාදරුවන්ගේ හිතවත්කම...



මොරටුව විශ්ව විද්‍යාලයේ ලියෝ සමාජය

ඇමින

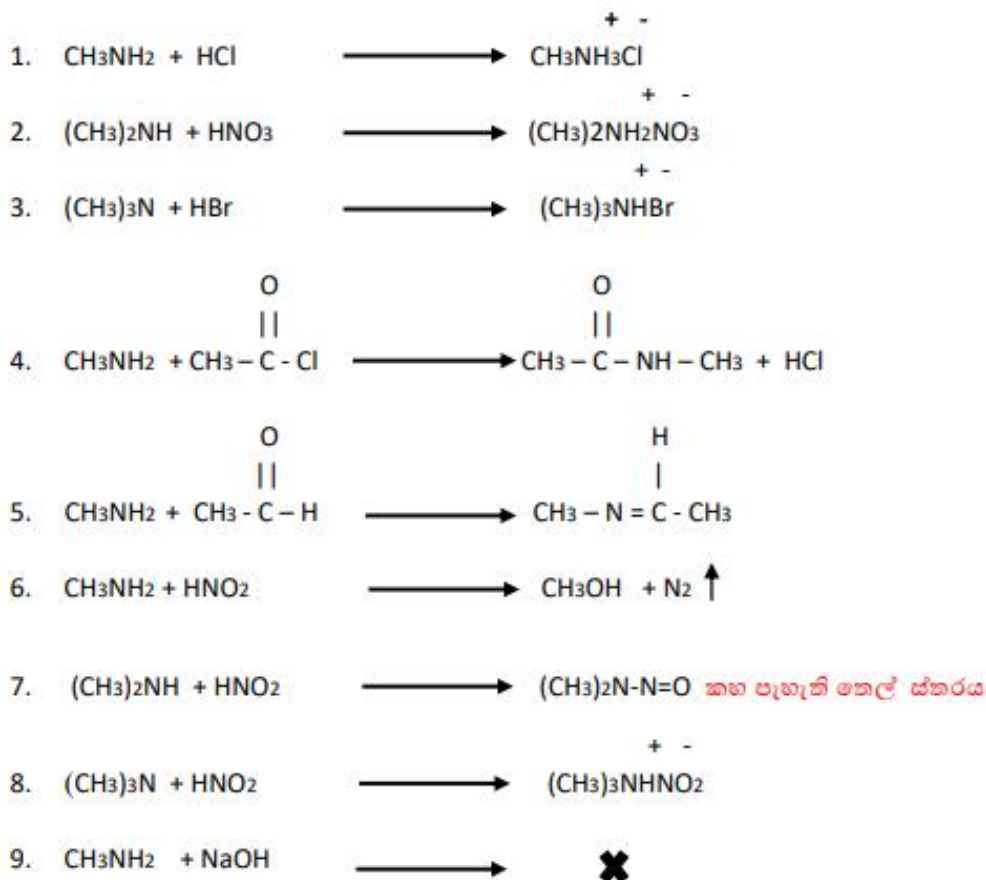
නිපදවන ක්‍රම



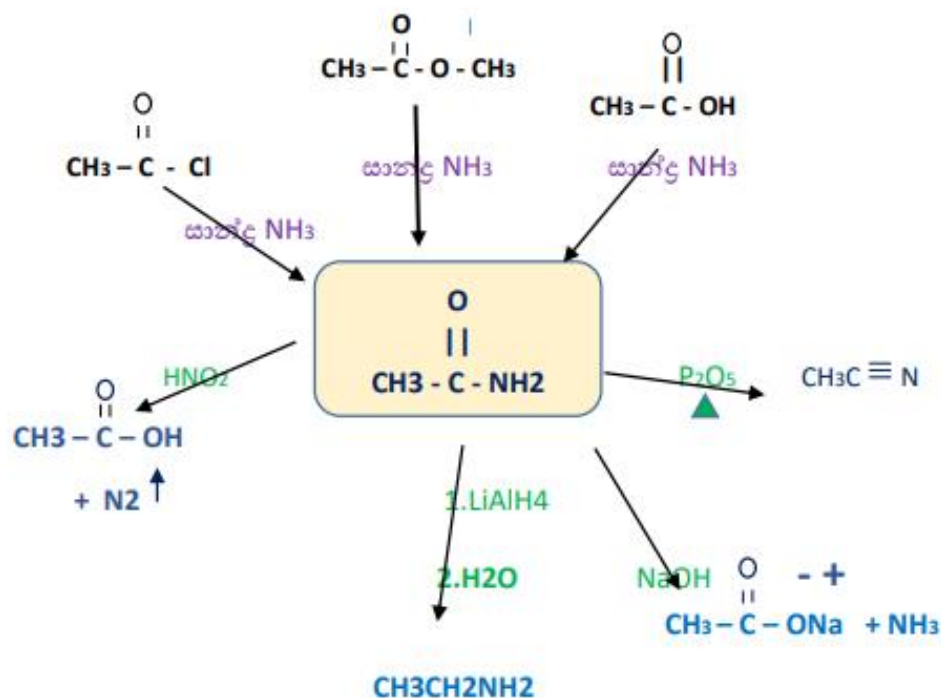
භෞතික ලක්ෂණ

C1 සිට C2 දක්වා වන ප්‍රාථමික සහ ද්විතීයික ඇමින ජලය සමඟ H බන්ධනවලින් බැඳී ද්‍රාවණය වේ. තෘතීයික ඇමිනවලට ජලය සමඟ H බන්ධන සෑදිය නොහැක.

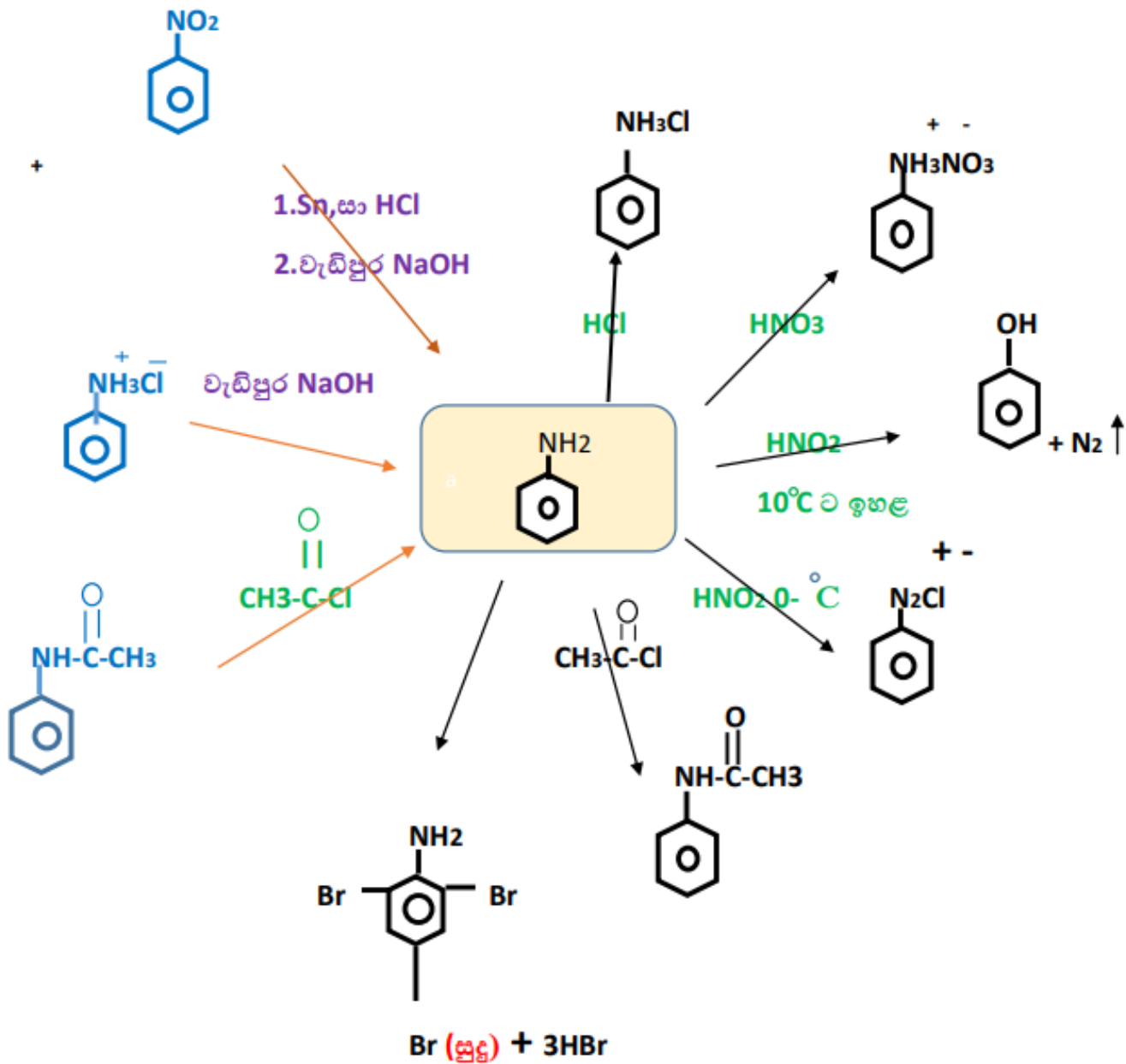
రహస్యతీత ప్రవృత్తి



చీరదేవి

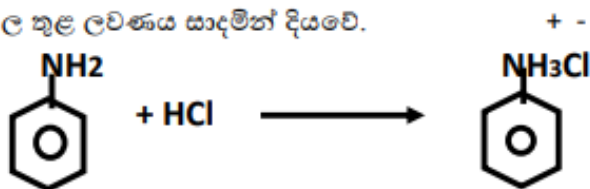


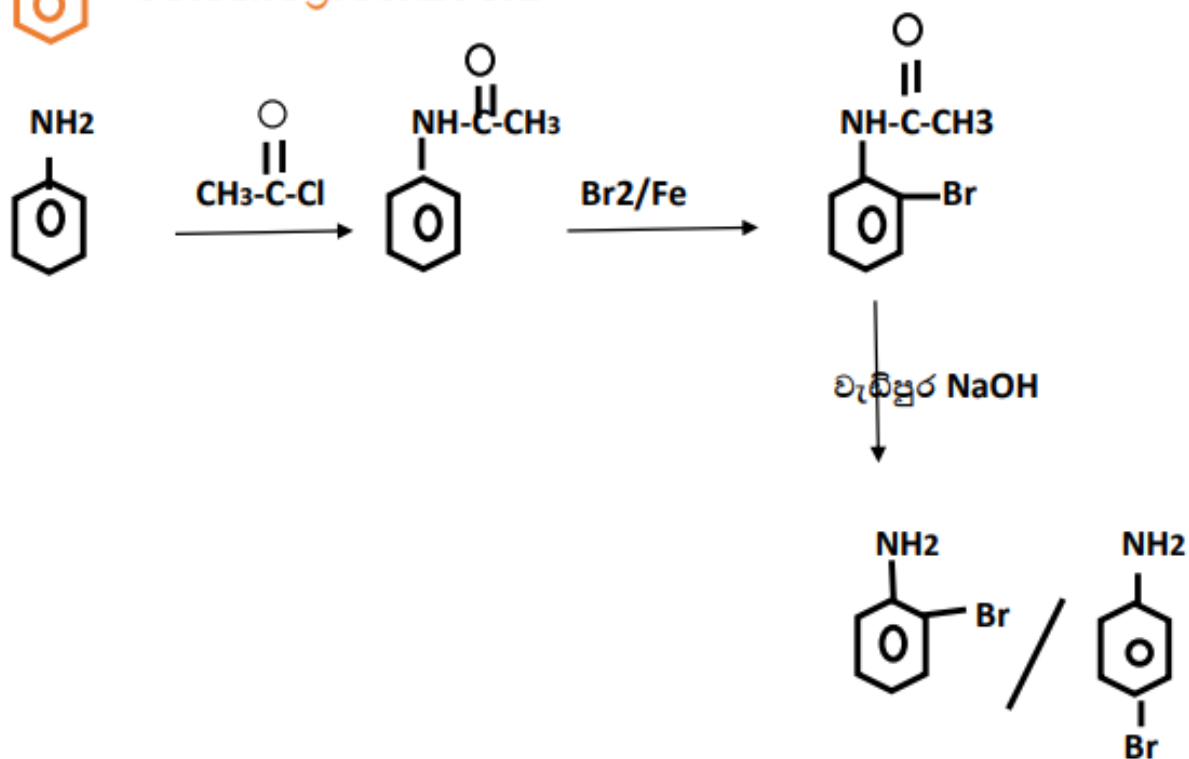
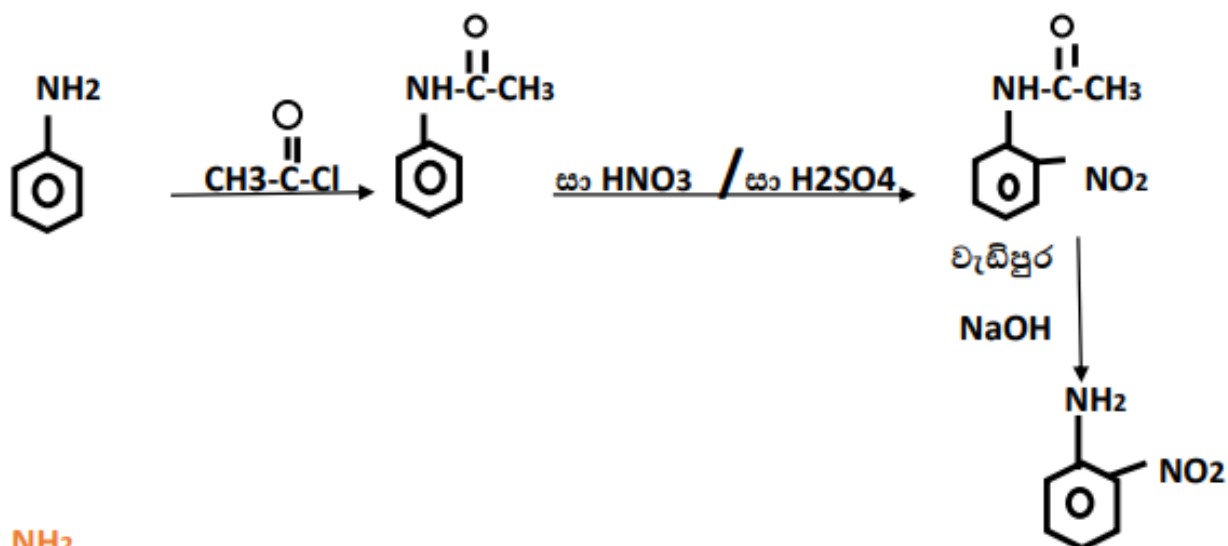
ඇතිලිත්



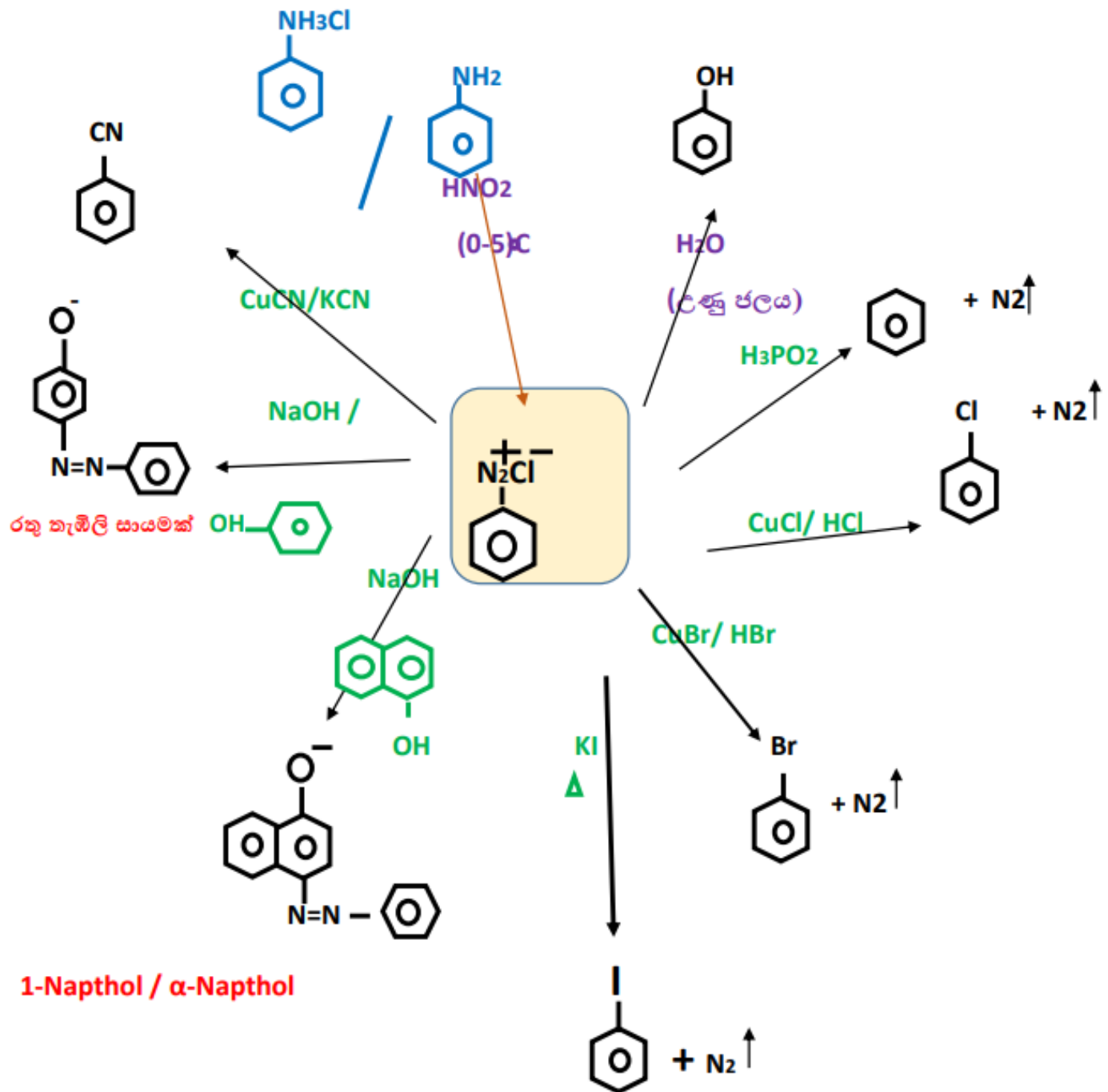
භෞතික ලක්ෂණ

- ❖ ජලය සමඟ H බන්ධන සෑදුවද නිර්ද්‍රව්‍යීය බෙන්සින් වලයේ විශාලත්වය වැඩි නිසා ජලය තුළ ද්‍රවණය වේ.
- ❖ තෙල් වැනි ද්‍රවයකි.
- ❖ අම්ල තුළ ලවණය සාදමින් දියවේ.





ඩයිසෝනියම් ලවණ



භෞතික ලක්ෂණ

- ❖ අවර්ණ ද්‍රවයකි.
- ❖ අයනික සංයෝගයකි
- ❖ ජලය තුළ ද්‍රාව්‍ය වේ.

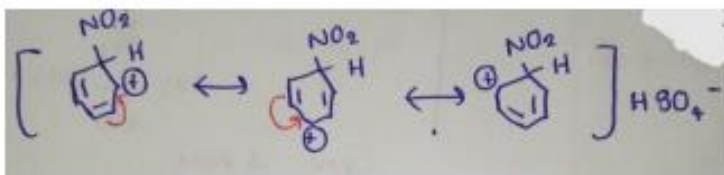
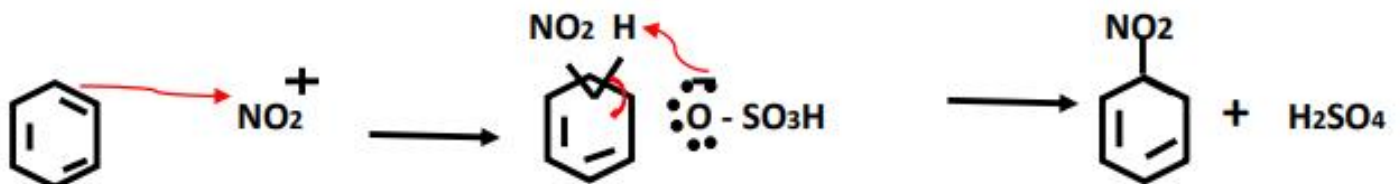
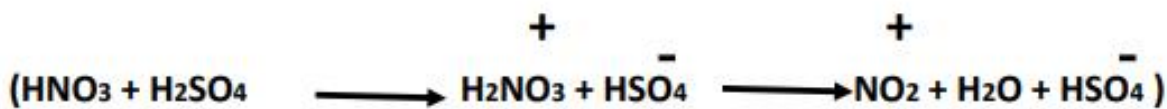
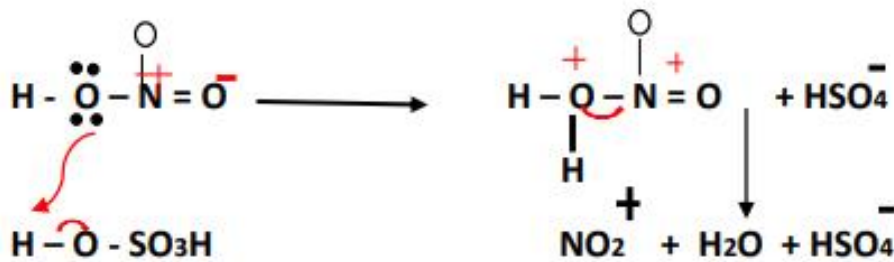
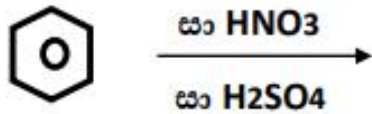
N අන්තර්ගත කිබනික සංයෝග ආශ්‍රිත යාන්ත්‍රණ

1. බෙන්සීන් නයිට්‍රෝකරණය

ඉලෙක්ට්‍රෝෆිලය (E) - NO_2^+

යාන්ත්‍රණ වර්ගය - SE

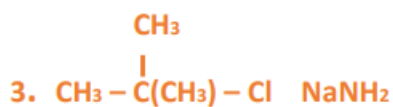
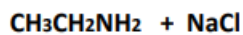
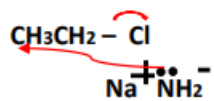
(ඉලෙක්ට්‍රොෆිලික ආදේශ)





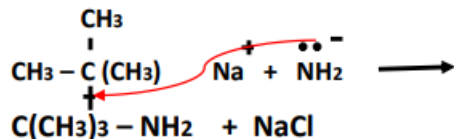
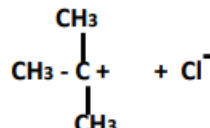
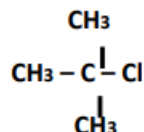
නියුක්ලියෝෆයිලය (Nu^-) - NH_2^-

යාන්ත්‍රණ වර්ගය - නියුක්ලියෝෆයිලික ආදේශ (SN)



නියුක්ලියෝෆයිලය (Nu^-) - NH_2^-

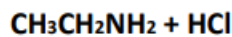
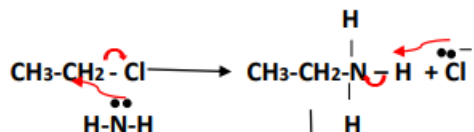
යාන්ත්‍රණ වර්ගය - SN



වැඩිපුර

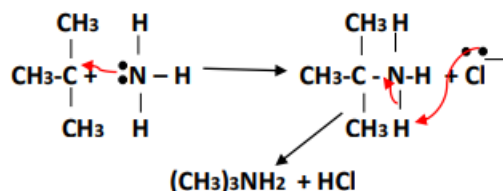
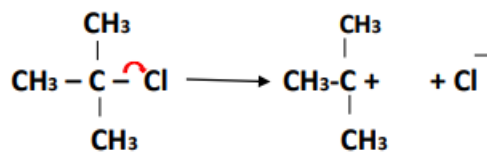
$\text{Nu}^- = \text{NH}_3$ (දුර්වල නියුක්ලියෝෆයිලයකි)

යා.ව. - SN



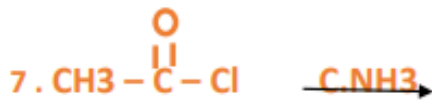
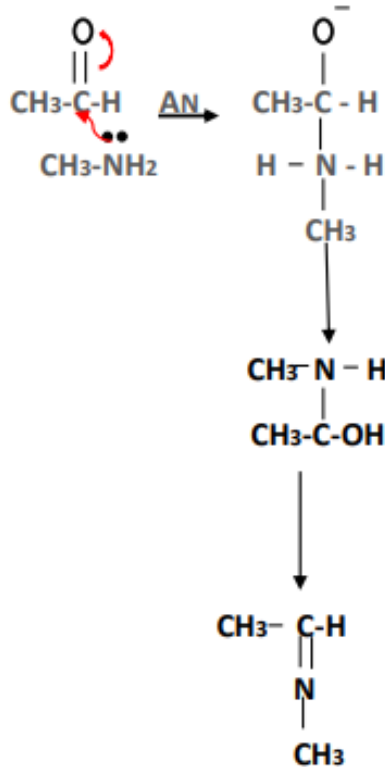
වැඩිපුර

$\text{Nu}^- = \text{NH}_3$ / යා.ව. - SN

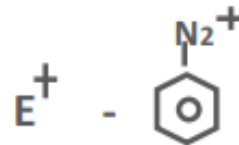
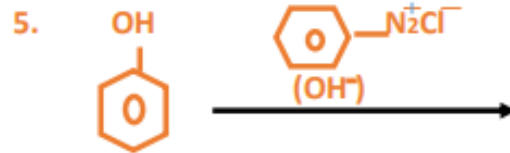
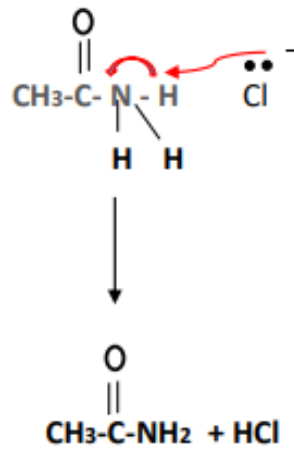
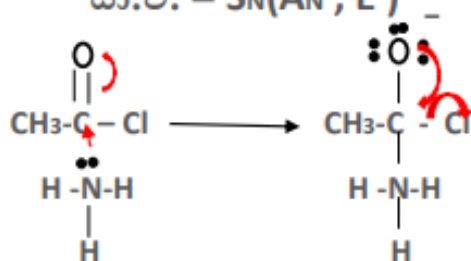




යා.ව. - නියුක්ලියෝෆිලික ආකලනය / ඉවත්වීම (AN, E)



යා.ව. - $\text{S}_\text{N}(\text{AN}, \text{E})$



යා.ව. - SE

