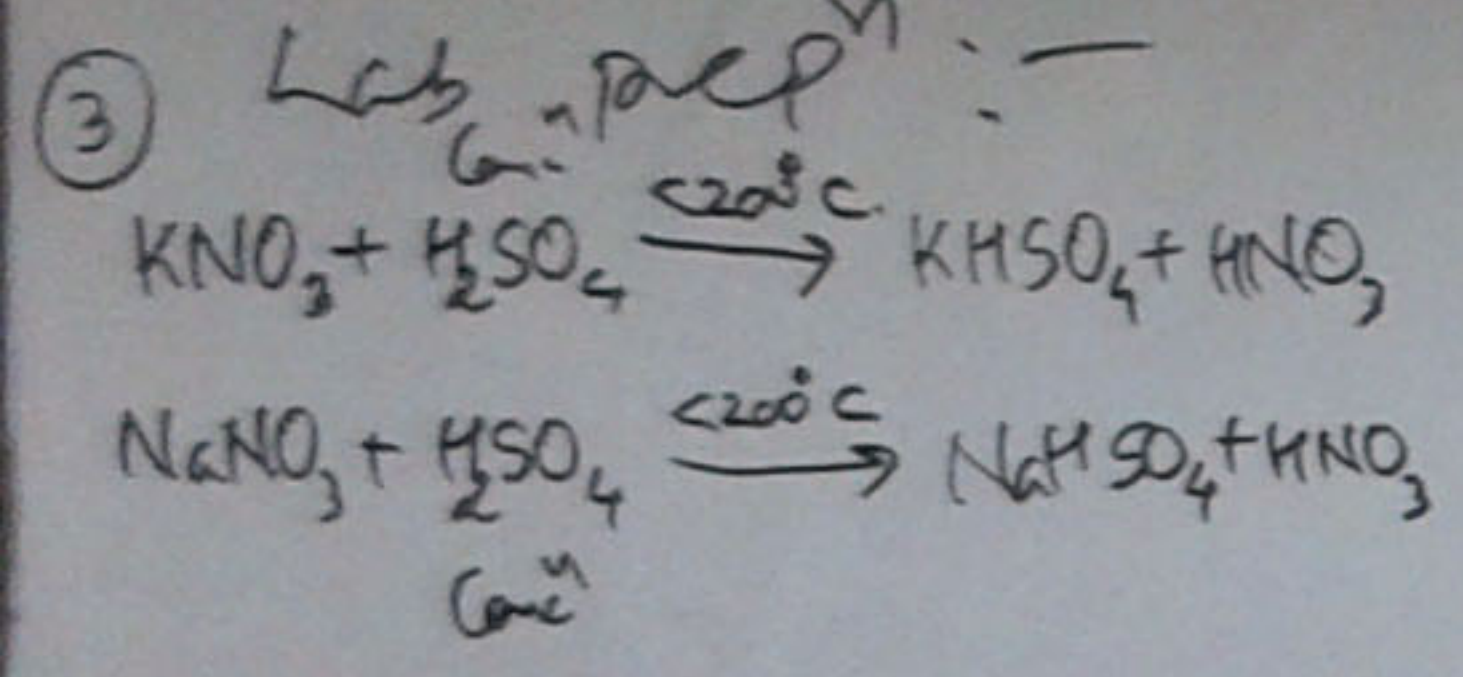
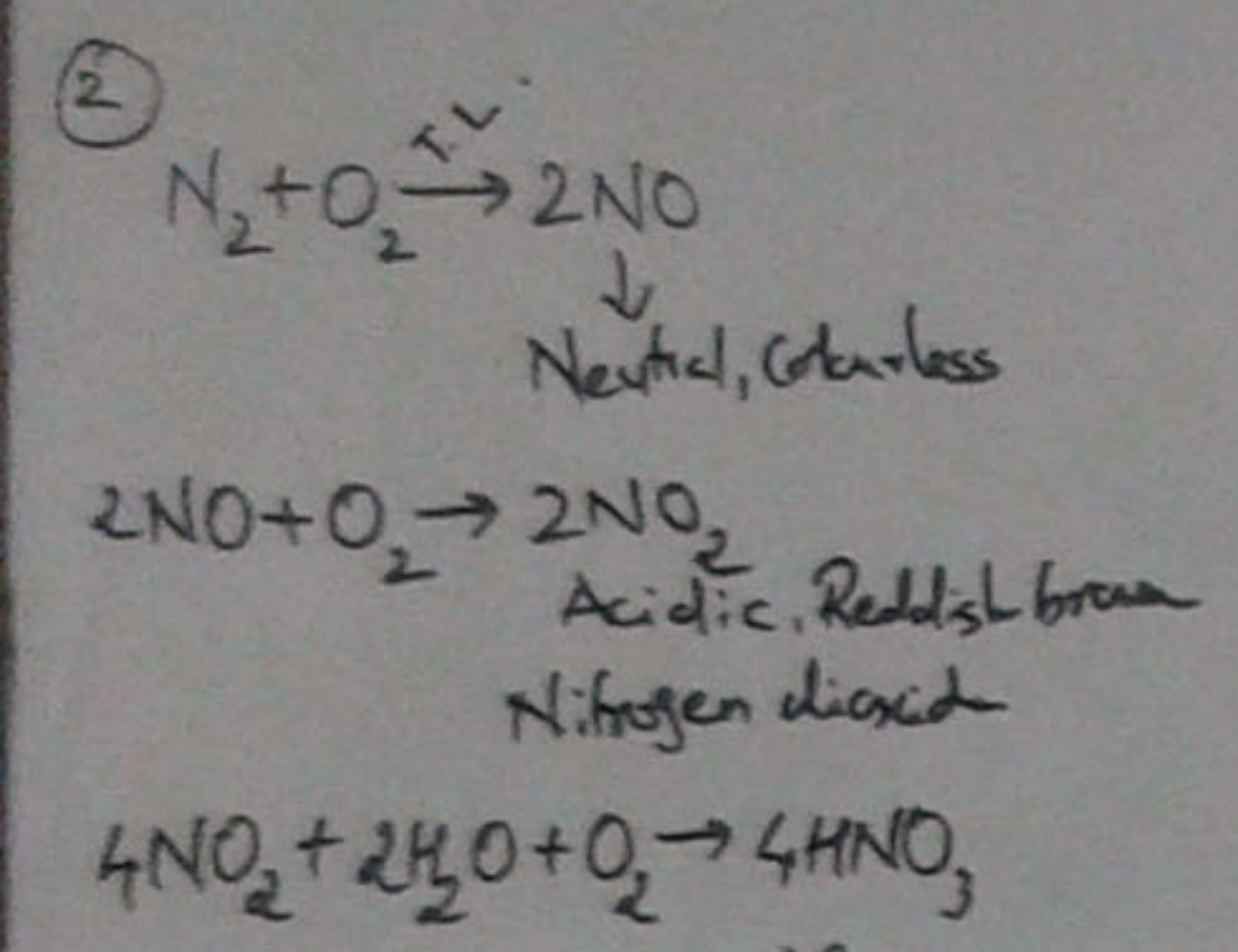


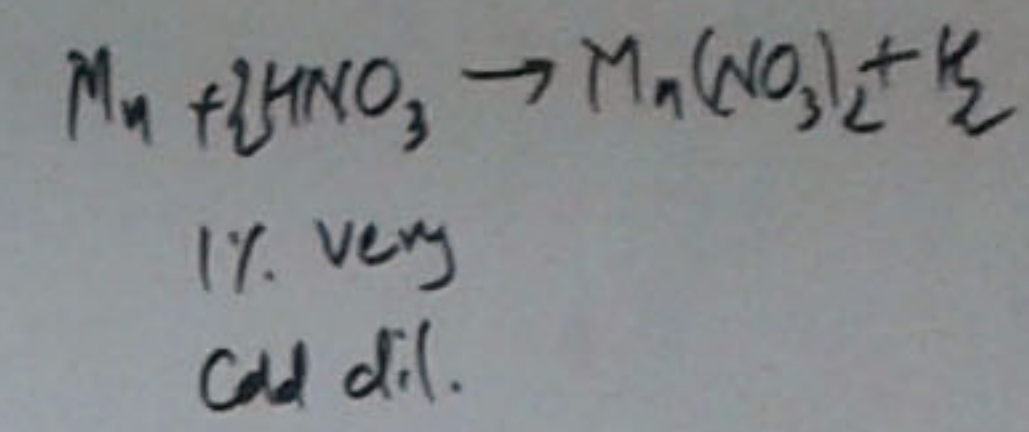
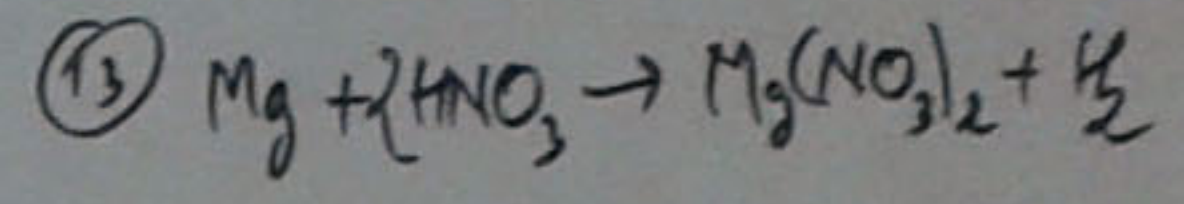
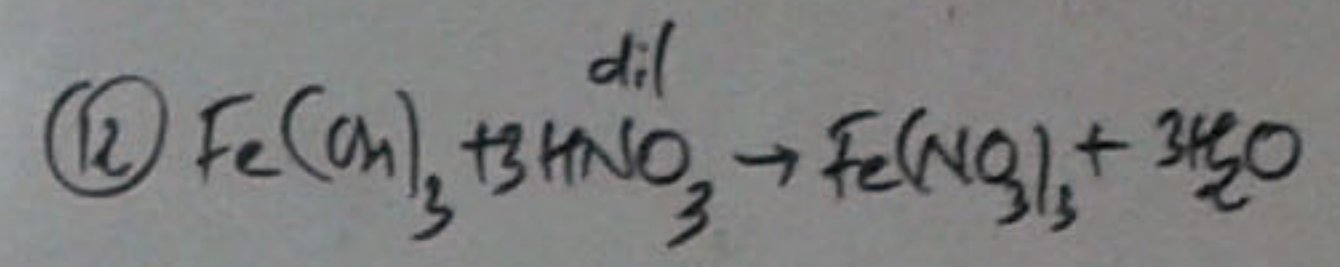
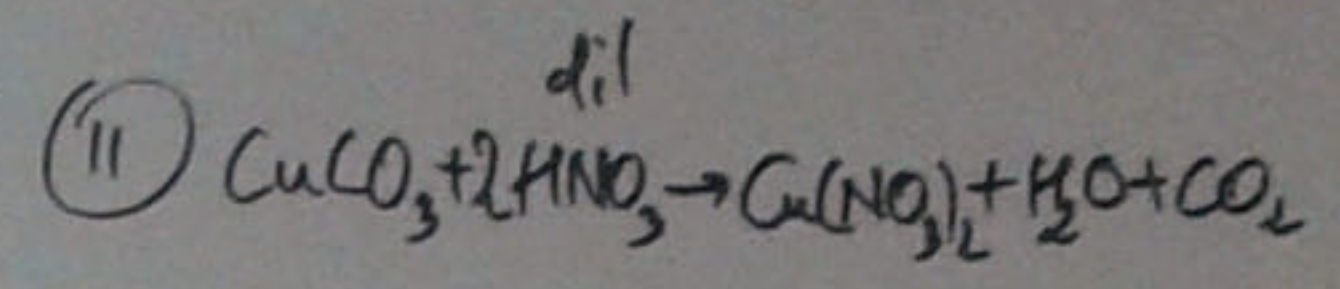
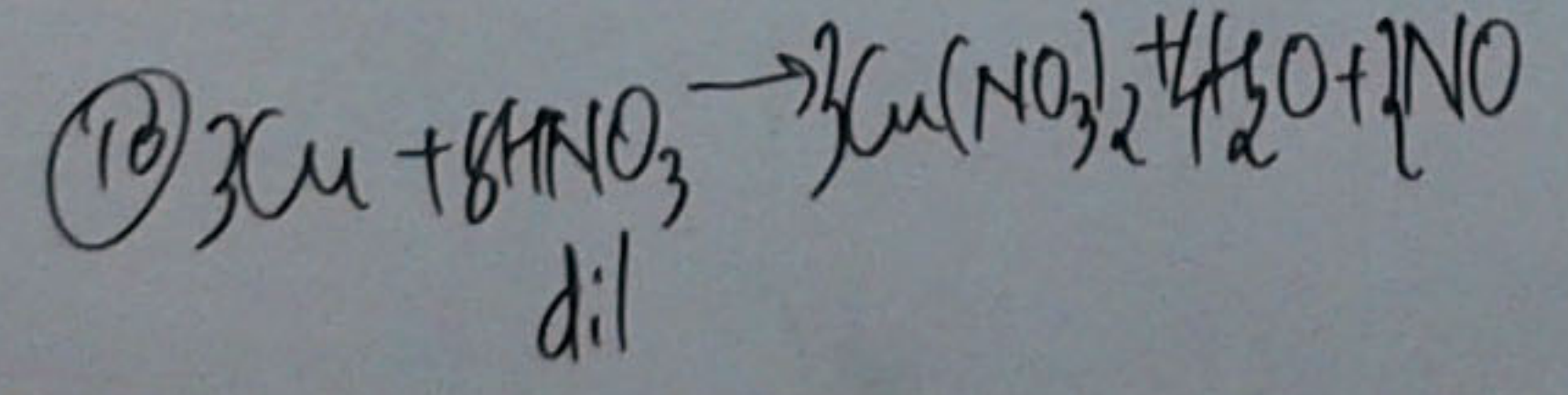
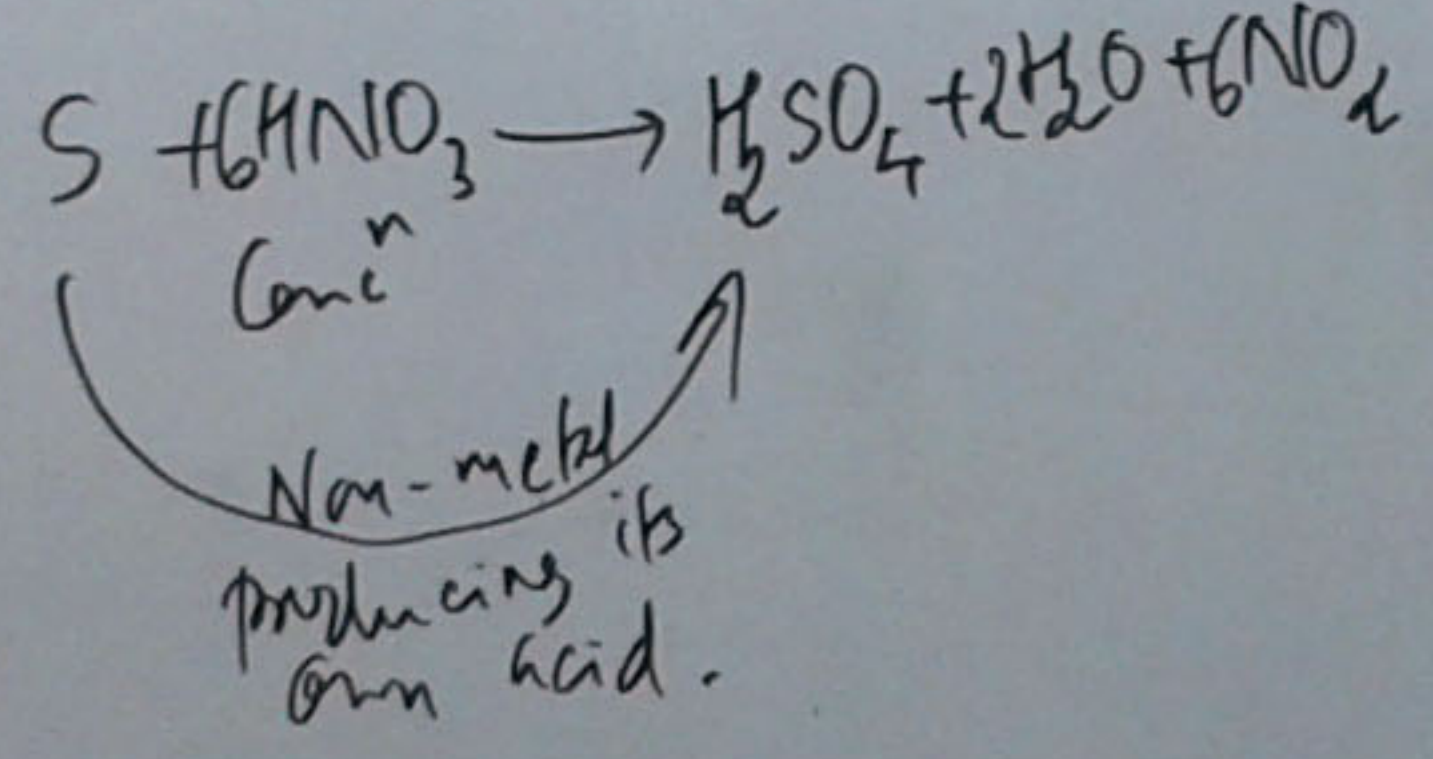
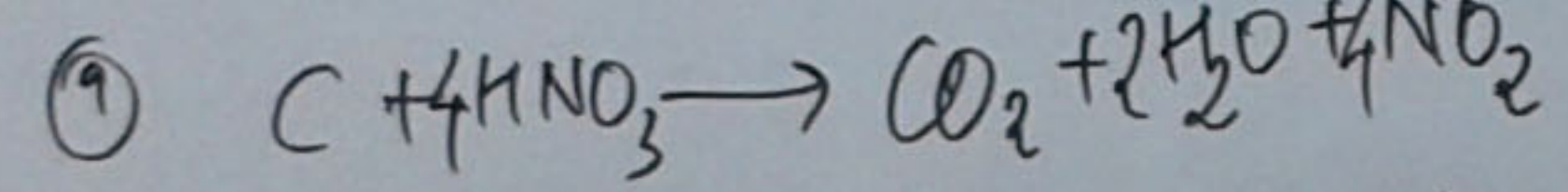
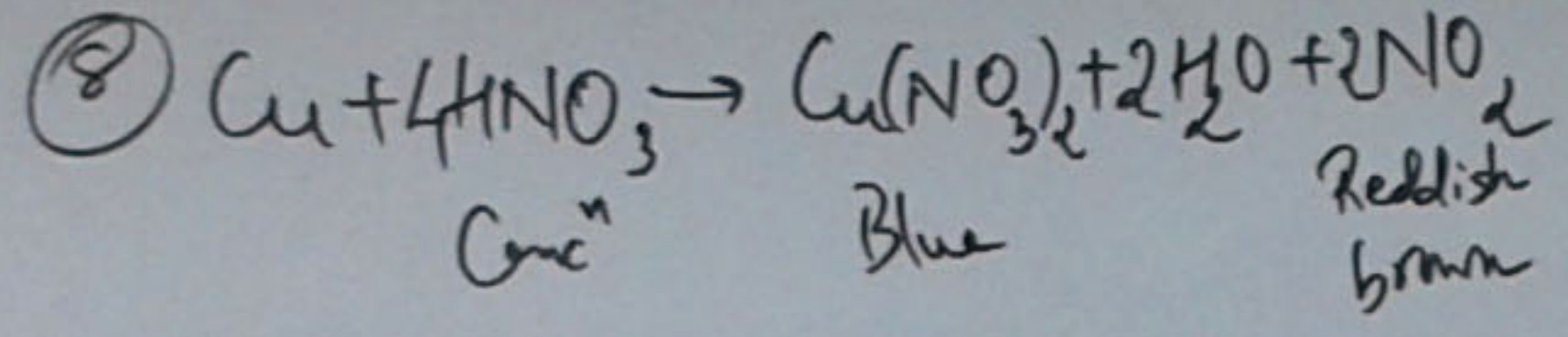
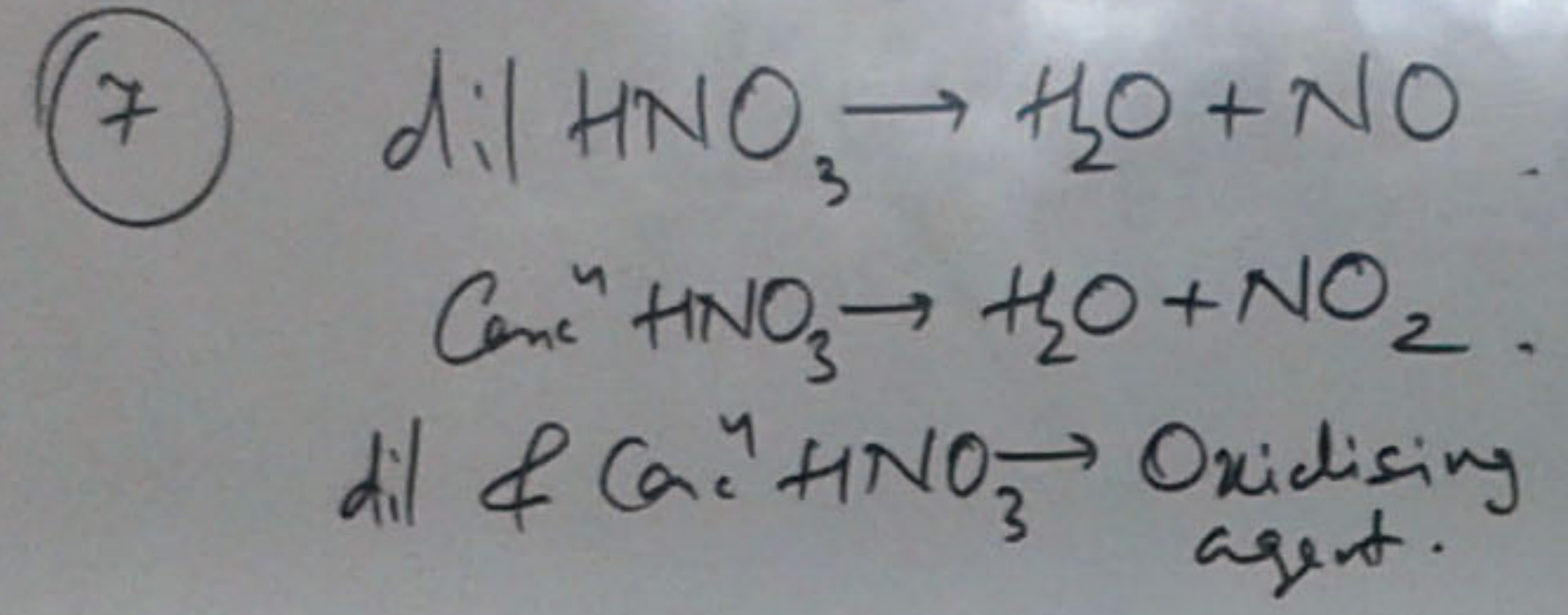
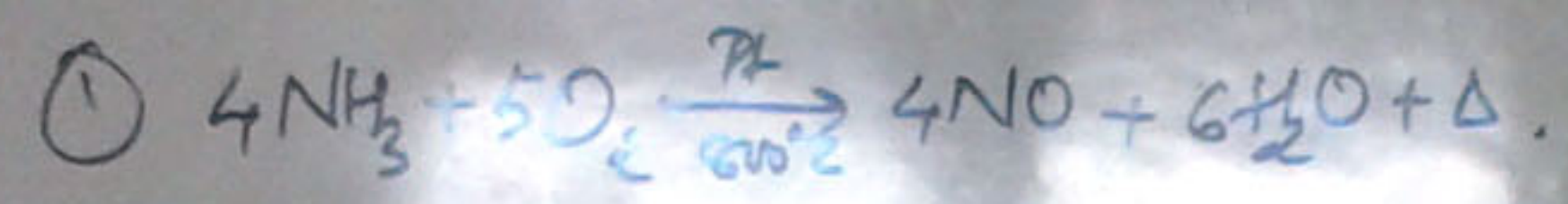
① Aqua-Fortis.



④ Glass Apparatus
Nitric acid Corrosive, attacks rubber, Cork etc.

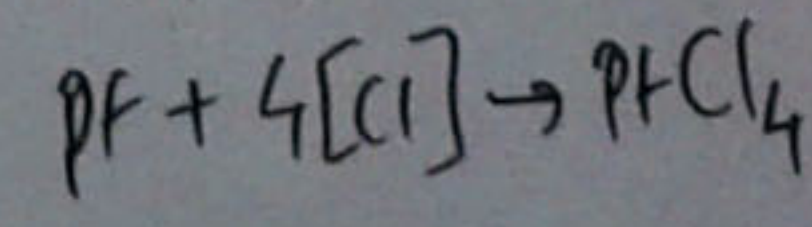
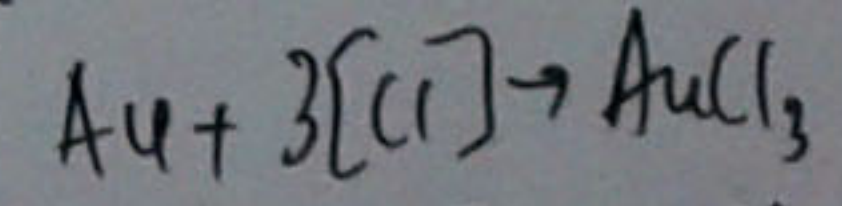
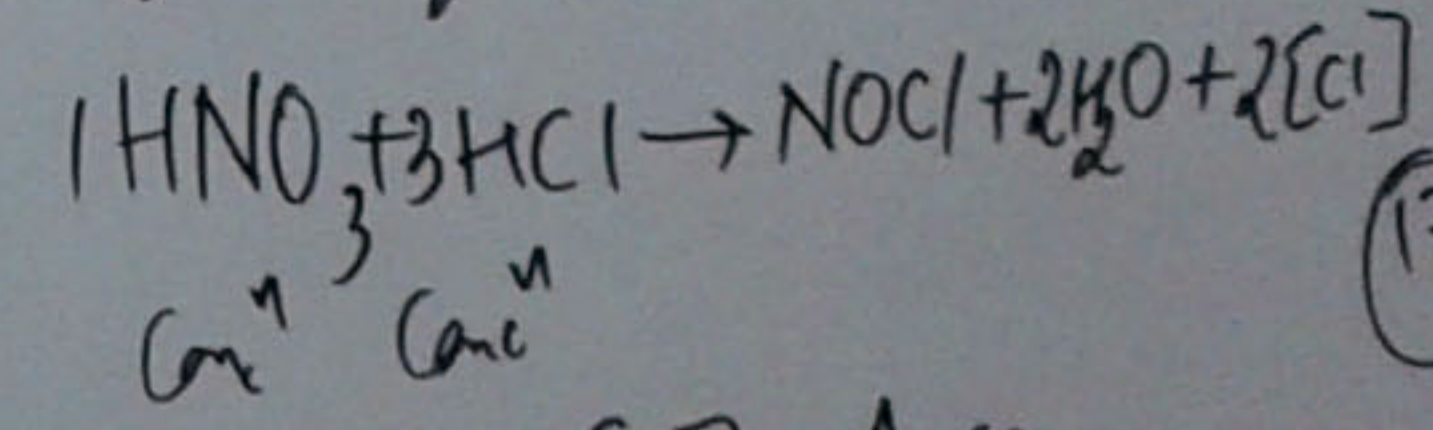
⑤ Pure HNO₃
Colourless → Yellow.
∴ It undergoes self-decomposition.
 $4HNO_3 \rightarrow 4NO_2 + 2H_2O + O_2$
produces Reddish brown NO₂ gas imparts Yellow colour.

⑥ Industrial process → Ostwald's process.

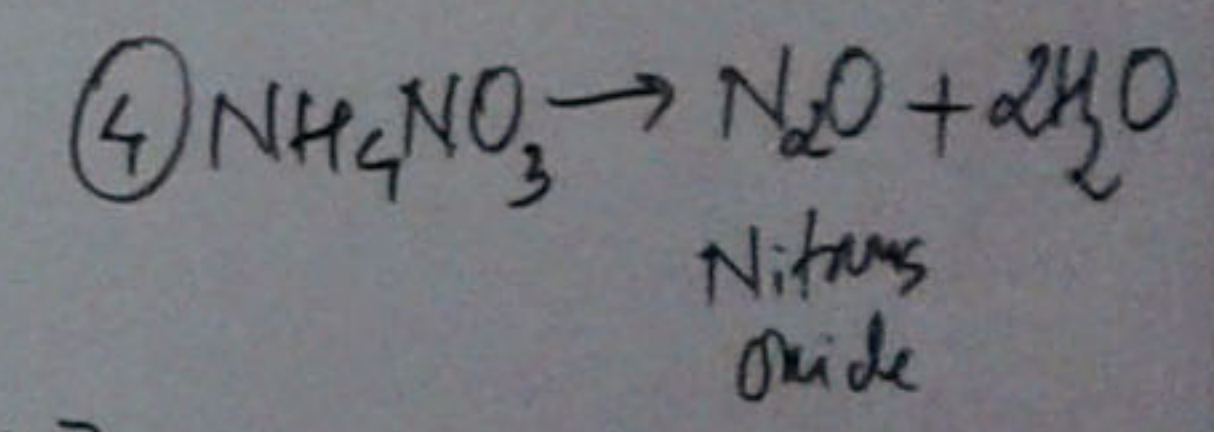
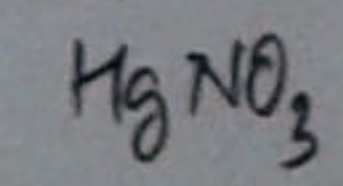
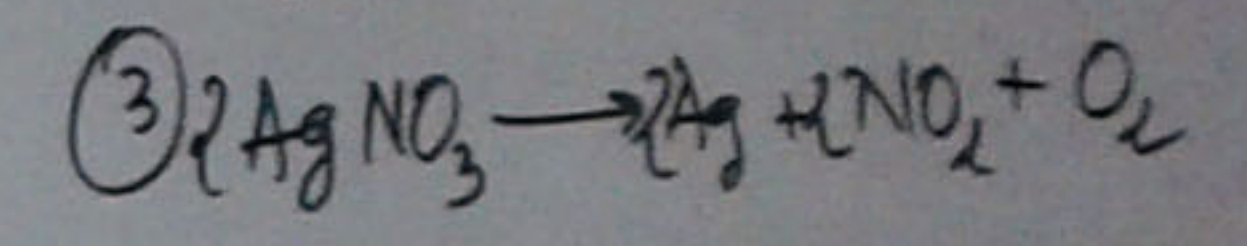
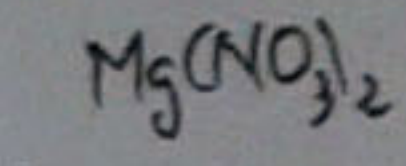
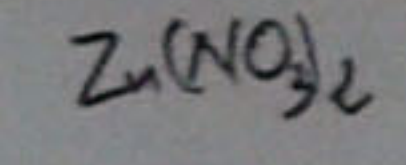
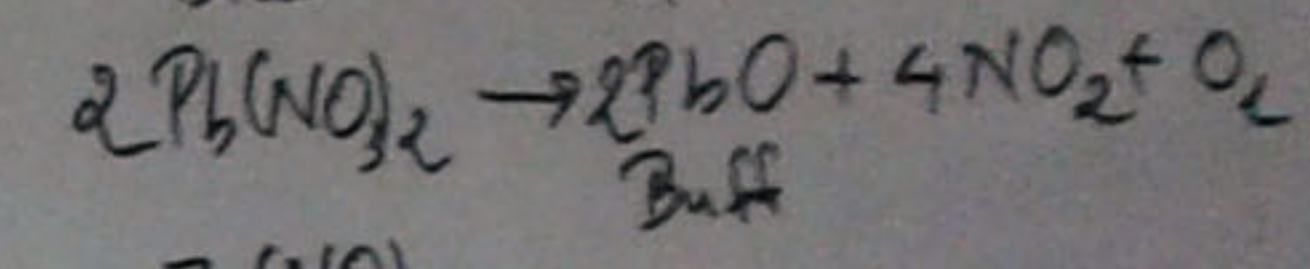
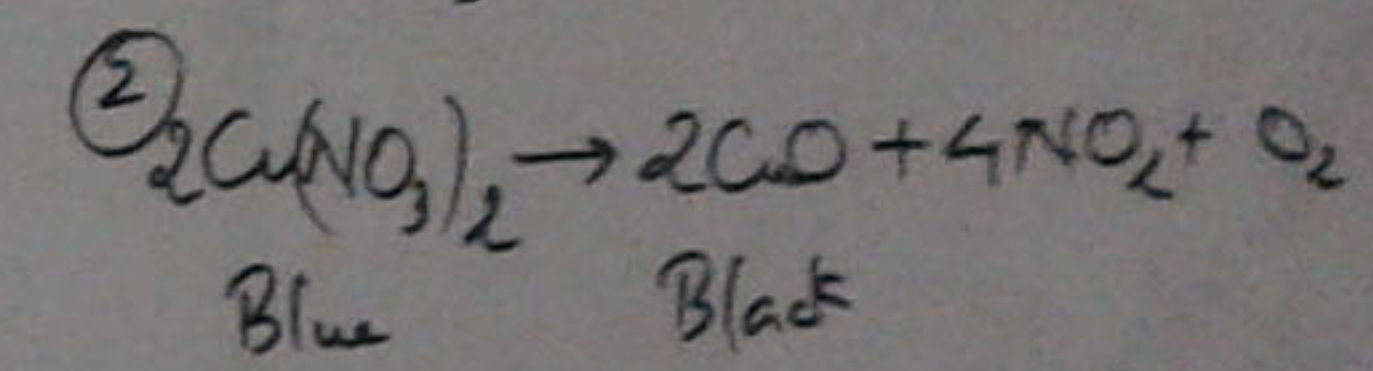
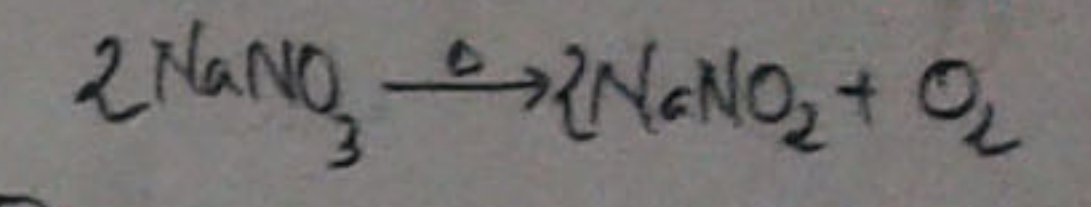
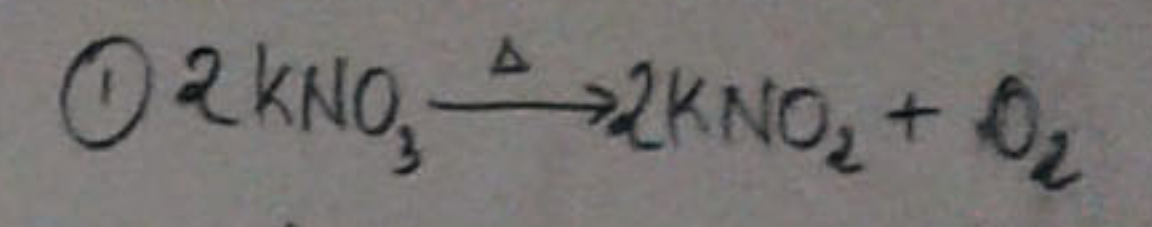


⑭ Fe & Al will turn passive.
∴ If forms insoluble oxide.

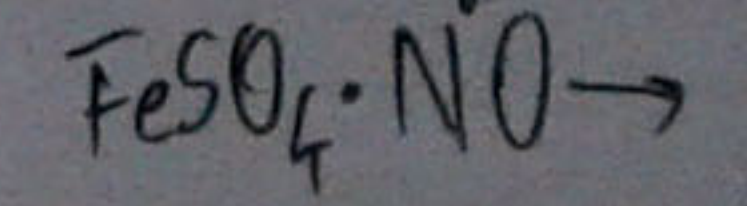
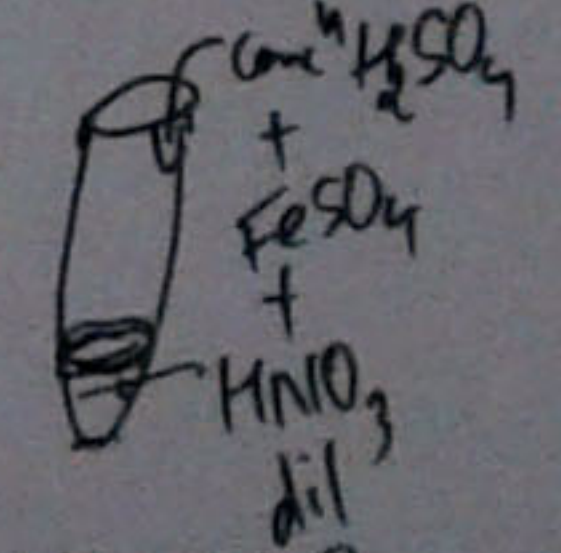
⑮ Aqua-regia :-



⑯



⑰ Brown ring Test → NO₃⁻



Nitroso Ferrous Sulphate/
Nitroso Iron (II) Sulphate