Give observations and equations for the following reactions.

1. Addition of sodium hydroxide solution drop-wise and to excess to a solution of iron(II) sulfate.

2. Addition of ammonia solution drop-wise and to excess to a solution of copper(II) chloride.

3. Addition of sodium carbonate solution drop-wise and to excess to a solution of aluminium sulfate.

4. Addition of concentrated hydrochloric acid drop-wise and to excess to a solution of iron(III) chloride.