

These are must do practicals to ace Chem P33:

1) Gravimetric Analysis / Thermal decomposition in a crucible over a bunsen flame

Watch this YT video: [Gravimetric Analysis | A level Chemistry P3 | The Practical Way](#)

(Another video that teaches you how to do experiments involving heating in a crucible: [Water Of Crystallization \(Part 2\) | A level Chemistry P3 | The Practical Way](#))

Watch these 2 videos in detail. The main time consuming step is the heating, the rest of the question is pretty easy and straightforward.

2) Redox Titration:

Watch this YT video: [Redox Titration | A level Chemistry P3 | The Practical Way - YouTube](#)

Most probably this experiment will involve first making your own solution using a volumetric flask and then titrating it with KMnO_4 , all of which has been covered in this video. You should have sound titration fundamentals so that you don't waste too much time.

3) Salt Analysis:

Watch these YT videos:

- 1) [Salt Analysis | A level Chemistry P3 | The Practical Way](#) -
This goes over all types of anions and cations and the important ones to look out for are:
 - a) NH_4^+ (Ammonium)
 - b) SO_4^{2-} (Sulfate)
 - c) Al^{3+} (Aluminium)
 - d) I^- (Iodide) - Also know that starch gives blue black colour with I_2 (Iodine)
 - e) $\text{S}_2\text{O}_3^{2-}$ (Thiosulfate)
 - f) Mg^{2+} (Magnesium)
- 2) [Organic + Salt Analysis \(Summer 23 QP32\) | A level Chemistry P3 | The Practical Way](#)
- 3) [Organic + Salt Analysis \(Summer 24 QP31\) | A level Chemistry P3 | The Practical Way](#)
- 4) [Yet Another Salt Analysis Practical! \(Summer 24 QP32\) | A level Chemistry P3 | The Practical Way](#)

Also please note that these are just guesses based on recent trends and paper patterns and the actual paper may be different. Your logic and understanding of practicals matters most. (The topics that are expected to come this time around with helpful preparation videos have been highlighted here only - your preparation should be complete regardless)

Good Luck!

For more updates / guidance:

<https://chat.whatsapp.com/HOWTaFabP6O9ckYAzx9GH8>