YEAR 13 Chemistry Revision

Core Knowledge Audit

Topic 4 – Inorganic Chemistry and the Periodic Table

1. Understand the trend in ionisation energy and reactivity down group II
2. Group II elements reactions with water, chlorine and oxygen
3. Know trends in solubility of group II hydroxides and sulfate
4. Thermal decomposition of carbonates and nitrates (trend in group II)
5. Flame test colours
6. Group 7 trends – mpt, bpt, electronegativity, reactivity
7. Halogen reactions (with group I, II, water, cold NaOH, hot alkali)
8. Silver nitrate test for halides
9. Hydrogen halides + water
10. Halides with conc sulphuric acid
11. Ion tests – carbonate, sulfate, ammonium