Periodic Table: Groups 0, 1 and 7

**Group 0**
- Noble Gases
- A Full Outer Shell Of 8 Except Helium (Full Shell Of 2)
- Highly Unreactive
- Boiling Point And Relative Atomic Mass Increases Down The Group

**Group 1**
- Alkali Metals
- 1 Electron In The Outer Shell
- Highly Reactive
- Burn In Oxygen To Produce Metal Hydroxides
- React With Water To A Metal Hydroxide And Hydrogen

**Group 7**
- Halogens
- 7 Electrons In The Outer Shell
- Fluorine - Poisonous Yellow Gas
- Chlorine - Dense Green Gas
- Bromine - Dense, Poisonous, Red-Brown Volatile Liquid And Orange Vapour
- Iodine - Poisonous Dark Grey, Crystalline Solid Or Purple Vapour
- Reactivity Increases Down The Group

- Fluorine - most general anesthetics are derived from compounds of fluorine
- Chlorine - used to sterilise water
- Bromine - Used in making pesticides and plastics
- Iodine - Used to sterilise wounds