

## 5<sup>th</sup> year revision – Chemistry

November assessment

Date: 14<sup>th</sup> November (provisionally)

Length: 1 hour long

Chapters:

- **History of the atom, Chapter 2**
- Dalton
- - Cathode ray exp. x2
- - Crookes
- - J.J. Thompson exp.
- - Milikan exp.
- - Thompsons plum pudding
- - Rutherford exp. & proton + nucleus discovery
- - Chadwick exp. & neutron discovery.
  
- **Arrangement of electrons in the atom - Chapter 3**
- Continuous and line spectrums.
- - Bohr theory
- - Atomic absorption spectrometry
- - Energy sub levels
- - Wave nature of electron
- - Bohr theory limitations
- - Atomic orbitals
  
- **The periodic table - Chapter 4**
- Robert Boyle
- - Humphry Davy
- - Dobereiners Triads
- - Newlands Octaves
- - Mendeleev's periodic table
- - Mendeleevs V.s modern periodic table
- - Moseley
- - Isotopes
- - The mass spectrometer
- - Electron configuration of atoms
- - Hund & Pauli theories
  
- **Stoichiometry**
- $N = \frac{g}{Mr}$
- Calculating empirical formula

Revision placemats

[The Atom - Revision \(Web view\)](#)

[Electronic arrangement \(Web view\)](#)

[Periodic table \(Web view\)](#)