Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [**Evans2chemweb.co.uk**](http://www.evans2chemweb.co.uk) Period: \_\_\_ Date: \_\_\_\_\_\_\_\_\_

See edmodo/Mr. Hunter for username and login info

To do the webtests you need to put your name and a class (just put the period no.). I would suggest having a tab open with notes and a tab open with the webtests, so that you can flick between them.

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| **IB Topic**  | **Notes** – ***Click on the Revision tab*** | **Webtests*Click on the Test tab*** |
| 1 moles  | Very basic moles at the end of standard grade topics 8, 9Higher unit 1 – the moleAdvanced Higher unit 2 – stoichiometry | Advanced Higher - Reaction stoichiometry |
| 2 atomic structure | Standard Grade topic 3 – for basicsAdvanced Higher topic 1 – Electronic structure for s/p/d orbitals and emission spectra. | **Standard Grade Topic** 3Atoms and the Periodic Table 1Atoms and the Periodic Table 2Atoms and the Periodic Table 3Atoms and the Periodic Table 4Atoms and the Periodic Table 5Atoms and the Periodic Table 6End of topic summary 1End of topic summary 2Atoms and the periodic tableAtoms & the periodic table revision**Advanced Higher 1.1** -Electronic Structure of Atoms |
| 3 periodic trends | Unit 1 –1.3 Patterns in the periodic table | **Higher 1.3**Patterns in the Periodic Table 1Patterns in the Periodic Table 2 |
| 4 bonding | Standard Grade – topic 4 how atoms combineStandard Grade Topic 7 - Properties of SubstancesHigher Unit 1 - Bonding, Structure and PropertiesAdvanced Higher Unit 1 : Chemical bonding(Note that when it mentions Van der Waals, it means London dispersion forces) | **Standard Grade Topic 4**End of topic summary 1End of topic summary 2**Higher 1.4**Bonding 1Bonding 2 |
| 5 thermochemistry | Higher Unit 1 - EnthalpyHigher unit 3 – Hess’ LawAdvanced Higher – Unit 2 thermochemistry | **Higher Unit 1** Enthalpy**Higher Unit 3**Hess's Law and equilibrium |
| 6 kinetics | Standard Grade - Topic 2Higher Unit 1 – Reaction Rates | **Standard Grade Topic 2**Speed of reactionsEnd of topic summary**Higher 1.1**Reaction rates |
| 7 equilibrium | Higher unit 3 – Equilibrium | **Higher Unit 3**Hess's Law and equilibrium |
| 8 acids and bases | Standard Grade topics 8+9Higher unit 3 – acids and bases | **Standard Grade Topic 8**Acids and alkalis 1Acids and alkalis 2 (with mole calculations)End of topic summary 1End of topic summary 2Acids, Bases and Metals 3**Standard Grade Topic 9**Reactions of acids 1Reactions of acids 2 |
| 9 redox | Standard Grade – Topics 10 + 11 (topic 11 also goes over metallic bonding)Higher unit 3 – Redox Reaction | **Standard Grade topic 10**Making electricity 1Making electricity 2**Standard Grade topic 11**Metals 1Metals 2Acids, Bases and MetalsAcids, Bases and Metals 2Acids, Bases and Metals 4**Higher Unit 3.4** Redox Chemistry |
| 10 organic | **Standard Grade topics 5+6** – does alkanes, alkenes and cycloalkanes**Topic 13** – does addition polymers**Higher – unit 2**Nomenclature and structural formulaeReactions of carbon compounds | **Standard Grade Topic 5**Fuels 1Fuels 2**Standard Grade Topic 6**Structures and Reactions of Hydrocarbons 1Structures and Reactions of Hydrocarbons 2 |
| 11 instrumental analysis | **Advanced Higher Unit 3 – Structural Analysis**(don’t need to know elemental analysis or x-ray crystallography) | None available ☹ |
| **Option C** |
| C2 | Standard Grade topic 5 – fuels Higher Unit 2 : Fuels | **Standard Grade Topic 5**Fuels 1Fuels 2**Higher Unit 2**FuelsAlternative fuels |
| C3 | Higher Unit 3: nuclear chemistry | **Higher Unit 3**(only drop down tests available)Distinguishing the types of radiationEffect of radiation on the parent atomHalf-life and uses of radioactivity |
| C4 | **CfE Higher Unit 2 :** Nature's Chemistry - Esters, fats and oils (goes over fats and oils but not transesterification)**CfE Advanced Higher Unit 2** : Molecular orbitals (scroll to the end for information on conjugation) | None available ☹ |