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, 9  Higher unit 1 – the mole  Advanced Higher unit 2 – stoichiometry | Advanced Higher - Reaction stoichiometry |
| 2 atomic structure | Standard Grade topic 3 – for basics  Advanced Higher topic 1 – Electronic structure for s/p/d orbitals and emission spectra. | **Standard Grade Topic** 3  Atoms and the Periodic Table 1  Atoms and the Periodic Table 2  Atoms and the Periodic Table 3  Atoms and the Periodic Table 4  Atoms and the Periodic Table 5  Atoms and the Periodic Table 6  End of topic summary 1  End of topic summary 2  Atoms and the periodic table  Atoms & 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 1  Patterns in the Periodic Table 2 |
| 4 bonding | Standard Grade – topic 4 how atoms combine  Standard Grade Topic 7 - Properties of Substances  Higher Unit 1 - Bonding, Structure and Properties  Advanced 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 1  End of topic summary 2  **Higher 1.4**  Bonding 1  Bonding 2 |
| 5 thermochemistry | Higher Unit 1 - Enthalpy  Higher unit 3 – Hess’ Law  Advanced Higher – Unit 2 thermochemistry | **Higher Unit 1**  Enthalpy  **Higher Unit 3**  Hess's Law and equilibrium |
| 6 kinetics | Standard Grade - Topic 2  Higher Unit 1 – Reaction Rates | **Standard Grade Topic 2**  Speed of reactions  End 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+9  Higher unit 3 – acids and bases | **Standard Grade Topic 8**  Acids and alkalis 1  Acids and alkalis 2 (with mole calculations)  End of topic summary 1  End of topic summary 2  Acids, Bases and Metals 3  **Standard Grade Topic 9**  Reactions of acids 1  Reactions 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 1  Making electricity 2  **Standard Grade topic 11**  Metals 1  Metals 2  Acids, Bases and Metals  Acids, Bases and Metals 2  Acids, 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 formulae  Reactions of carbon compounds | **Standard Grade Topic 5**  Fuels 1  Fuels 2  **Standard Grade Topic 6**  Structures and Reactions of Hydrocarbons 1  Structures 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 1  Fuels 2  **Higher Unit 2**  Fuels  Alternative fuels |
| C3 | Higher Unit 3: nuclear chemistry | **Higher Unit 3**(only drop down tests available)  Distinguishing the types of radiation  Effect of radiation on the parent atom  Half-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 ☹ |