

Key threshold concept	Revision guide reference	Additional resources
Atomic structure - charge, mass and location of protons, neutrons and electrons.	Edexcel Higher Combined Science Revision guide p.79 Edexcel Triple Chemistry Revision guide p.15-17	https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/3 https://www.youtube.com/watch?v=-X6bHB5d3hY
Isotopes and isotopic mass	Edexcel Higher Combined Science Revision guide p.80 Edexcel Triple Chemistry Revision guide p.17	https://www.youtube.com/watch?v=wCrkWRoS8iQ https://www.youtube.com/watch?v=MGLrYaI_UfE
Ions and ionic bonding	Edexcel Higher combined Science revision guide p.83- 85 Edexcel Triple Chemistry Revision guide p.20-21	https://www.bbc.co.uk/bitesize/guides/z9fwrwx/revision/1 https://www.youtube.com/watch?v=V28_L3gteDo https://www.youtube.com/watch?v=hxhPkv687e8
Covalent bonding	Edexcel Higher combined Science revision guide p.86- 87 Edexcel Triple Chemistry Revision guide p.23	https://www.bbc.co.uk/bitesize/guides/zqrxdxs/revision/1 https://www.youtube.com/watch?v=puKhX5ttkko
Empirical formulae	Edexcel Higher combined Science revision guide p.90 & 93 Edexcel Triple Chemistry Revision guide p.27 p.30	https://www.bbc.co.uk/bitesize/guides/z2ty97h/revision/2 https://www.youtube.com/watch?v=Sy0pbBD26D0 https://www.youtube.com/watch?v=CTkdGwjetzM

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Reacting masses	Edexcel Higher combined Science revision guide p.89, p.94 & 95 Edexcel Triple Chemistry Revision guide p.17	https://www.bbc.co.uk/bitesize/guides/zpk2srd/revision/3 https://www.youtube.com/watch?v=-WB1PVfzY7o https://www.youtube.com/watch?v=TV6n5MFH6IU
Moles and mole calculations	Edexcel Higher combined Science revision guide p.91 & 92 Edexcel Triple Chemistry Revision guide p.28-29	https://www.bbc.co.uk/bitesize/guides/z9wy6yc/revision/1 https://www.youtube.com/watch?v=RxHfggBNv5U https://www.youtube.com/watch?v=G2q7WCrIJB4
REDOX reactions – oxidation and reduction	Edexcel Higher combined Science revision guide p.116 & 125 Edexcel Triple Chemistry Revision guide p.48 p.52 p.54-55 p.64	https://www.bbc.co.uk/bitesize/guides/zcgt4qt/revision/2 https://www.bbc.co.uk/bitesize/guides/zv7f3k7/revision/1 https://www.youtube.com/watch?v=70kSRiasC7M https://www.youtube.com/watch?v=gmbuTl2aril
Energy changes in reactions	Edexcel Higher combined Science revision guide p.134 – 136 Edexcel Triple Chemistry Revision guide p.83 p.85	https://www.bbc.co.uk/bitesize/guides/zg87b82/revision/3 https://www.youtube.com/watch?v=4HS6D0hTzdg https://www.youtube.com/watch?v=1nR8Gf2aYIA https://www.youtube.com/watch?v=eExCBkp4jB4 https://www.youtube.com/watch?v=PdValXAVUOc
Hydrocarbons – alkanes, alkenes and homologous series	Edexcel Higher combined Science revision guide p.138 Edexcel Triple Chemistry Revision guide p.87-90, p.98-99 p.102	https://www.bbc.co.uk/bitesize/guides/zsf9pbk/revision/3 https://www.youtube.com/watch?v=oS-eolTb0Zs https://www.youtube.com/watch?v=hJ3vn_La8EA

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Rates of reaction	Edexcel Higher combined Science revision guide p.132-133 Edexcel Triple Chemistry Revision guide p.81	https://www.bbc.co.uk/bitesize/guides/zcyjcj6/revision/1 https://www.youtube.com/watch?v=IxPqMLihwuw https://www.youtube.com/watch?v=u4Co4N-Jmbs
Equilibrium	Edexcel Higher combined Science revision guide p.121-122 Edexcel Triple Chemistry Revision guide p.59 – 60 p68	https://www.bbc.co.uk/bitesize/guides/z3gvtv4/revision/3 https://www.youtube.com/watch?v=UhNkyzgvPzM https://www.youtube.com/watch?v=aciq2jzMEIE



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