Question Bank
Higher
Chemistry

Self Evaluation Question Bank

Past Paper Question Bank
Unit 1.1a Collision Theory

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
1	mc6				mc6	L5b	mc7	L10a				L1b(ii)		mc6 L2c	L3b	L9b
2	mc5	mc5 L16a	mc4 L9a(i)	mc6 L11c(i)		L5a	mc6 mc8	mc4	mc5	mc4	mc6	L1b(i)	L2b(i)	mc5	mc7 mc8 mc9	mc3 mc7
3		L3c			L6b(i)	L9c(iii)			L3b	mc5				L2b(i)		L2a

Past Paper Question Bank
Unit 1.1b Reaction Profiles

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
4						L2b										
5																
6	mc7	mc6	mc6	L11a	mc8		mc10	mc5	mc8	mc7	mc8	mc9	mc8	mc8	mc5 mc6	mc12 L9c
7																

Past Paper Question Bank
Unit 1.1c Temperature & Kinetic Energy

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
8											mc4					
9			mc5		L6c	Mc6		L6b	mc7	L11a		mc6	mc6		mc10	L2b(i)

Past Paper Question Bank
Unit 1.1d Catalysts

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
10											mc7	mc8				
11	L6b			L11b(ii)		L2a			L14b(i)							L2b(ii)

Past Paper Question Bank
Unit 1.2a Arrangement of Elements in PT

Higher Traffic Lights ©JABchem

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
12																
13 22											mc9		mc13			
14 16 17																
15 18																
19 20 21																

Past Paper Question Bank
Unit 1.2b Bonding & Structure of 1st 20 Elements

Higher Traffic Lights ©JABchem

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
23																
24	L17a(i)				L1b				mc15						L1b	
25	mc10	L11b				mc13	mc14	mc10	L1							L1a
26	L10a	mc9		mc10	L1a L2b		L1			mc15	L1		mc12 L1a	mc15	L1a	L1a L1b(iii)

Past Paper Question Bank
Unit 1.2c Periodic Trends in I.E. and Cov Radii

Higher Traffic Lights ©JABchem

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
27 28	mc8	L12a L12b			L9a L9b		L2a	L1b		L11b		mc11	L1b	mc12	mc3 L1c	L1b(ii)
29 30	L13a		L1c	mc9	mc11	mc9	mc12 mc13	mc7 L1c	mc11	mc11 L1b	mc10	mc32 L2a(ii)		mc13 L4a(i) L4a(ii)		mc9 mc10
31 32			L1b						mc9	mc10	L11a(i)	L2a(i)			mc13	mc8

Past Paper Question Bank
Unit 1.2d Periodic Trends in Electronegativity

Higher Traffic Lights ©JABchem

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
33 34	L7a		L1a		mc9	Mc10		L1a	mc10			L2b		mc11		
35 36		mc8								L1a						

Past Paper Question Bank
Unit 1.2e Polar Covalent Bonds

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
37																
38																
39	mc9															
40										mc12	mc11	mc12	mc10	mc14		L13a

Past Paper Question Bank
Unit 1.2f Bonding Continuum

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
41				mc8			L2c	mc2 mc8 mc11		mc3 mc9					mc14	
42		mc11		mc1 mc4	mc1	mc11 L6b(i)					mc14	mc13 L3a		mc1		mc2
43																

Past Paper Question Bank
Unit 1.3a Van der Waals' Forces

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
44																
45		mc10														
46																

Past Paper Question Bank
Unit 1.3b London Dispersion Forces

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
47									L9a							
48 50																
49					mc10					L1c					mc12	L1b(iii)

Past Paper Question Bank
Unit 1.3c Permanent Dipole-PD Interactions

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
51											L7a		L6b			
52			mc8		mc12			mc12	mc14	mc16	mc13			L6a	mc15	
53		L5b														

Past Paper Question Bank
Unit 1.3d Hydrogen Bonding

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
54																
55			L7a L7b	mc12 L12		L9a	L11c	L13a	mc13	mc13	mc12	L6b		L9a	mc16 L4a	
56										mc14						

Past Paper Question Bank
Unit 1.3e Relating Properties to Intermolecular Forces

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
57 58													mc11	mc16		
59																
60																L9a(ii)
61			mc7													
62																

Past Paper Question Bank
Unit 1.3f Predicting Solubility from Solute & Solvent Polarity

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
63 64				mc11				mc9					mc14			
65	L16b				L14a(iii)								L7c		L12d(ii)	
66																
-																

Past Paper Question Bank
Unit 2.1 Esters & Fruit Flavours

©JABchem

Higher Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
1																
2																
3 4	mc12 L9a		mc16	L6b	L14a(i)		mc19			L3b(ii)		mc21	L10b	Mc22	L9a(iii)	L3b
6 7				mc27		mc21				L5b(i)	L15b(i)			mc26 L11a		
5 8	mc14 L16a(i)		L5b(ii)				mc24					mc25			mc23	
9												mc24				
10	L14a(i)	mc20	L5b(i)					L8a	L3b(iii)	L3b(i)	mc19			mc23 L10a(ii)		

Past Paper Question Bank
Unit 2.2 Fats & Oils

©JABchem

Higher Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
11									L2c							
12 13					mc26		L5a(i)	mc26	L2a	mc29				L4b		L4b
14											mc28	L9b	L9a			mc29
15	mc19	L17c	L3a(ii)	mc26	mc27	L1b	mc29	L14a	L2b	mc28		L9a		mc29	mc27	

Past Paper Question Bank
Unit 2.3 Proteins

©JABchem

Higher Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
16									L12a			Mc30				
17 18 19		Mc24 L8b(ii)			Mc28		Mc30	Mc27 Mc28 L9a(i)		L5a(i)	L9a	L7b	L8c			
22													Mc29	Mc30		
20				L2b	L7a			L9b	Mc28			Mc27	L8a	L10a(i)	L12b	
21	Mc18		Mc22					L9c			Mc30					L5a
24				L15a		L15a(ii)				L5a(ii)			L8b			L5b
25																

Past Paper Question Bank
Unit 2.4 Chemistry of Cooking

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Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
26																
27																
28																
29																L11d
30	L3a	L8b(i)				L15a(i)									L12a	
31	L11c		L9a(ii)	Mc28	L7b L7c	Mc28 Mc29	L6b		Mc27	Mc30	L9c		L12c			L12c(i)

Past Paper Question Bank
Unit 2.5 Oxidation of Food

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Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
32		mc19		mc20	L13b		mc21		L13a	L9a	mc20	L6a			L12c	
33 34 35	L16c		L5a(iv)	mc21 L5b		mc23 L3a(i) L16b(ii)	L8c	L2b	mc22 L4d			mc23	mc26	L7b(ii)		
37 43		L10a(ii)	L5a(iii)	L8a(ii)	L4b(i)	L3a(ii)	L8b		L4c(i) L4c(ii)	mc25 L3a(ii)		L10c(i)		mc25 L7a	mc28	L11a(ii) L11a(iii)
36	L11a	L15a	mc18				mc21			L3a(i)					L2c(ii)	mc23
38 39			L13a	L8(i)	mc17 L4b(ii)	mc21		mc19		mc22			mc22			L9a(i) L11a(i)
40		L10a(i)														
41 42				L8a(iv)								mc20		mc21	L11b	
44																
45 46																
47																

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
48	L9b(i)	L17a	L3b(i) L3b(ii)		mc20	L1a	L5a(ii)	mc22			mc29	L9c			L12d(i)	L4c
49													L9c			
50																
51																
52																

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
53																
54																
55																
56																
57																
58															mc26	

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
59																
60																
61																
62																
63																
64																
65																
66																
67																

Past Paper Question Bank
Unit 3.1a Factors Affecting Design of a Chemical Process

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Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
1	mc20	mc26				mc30 mc31			L13b(ii)	L8a				mc31	mc30	mc31 L12a(i)
2	L17b	mc25 L6a	L10a	mc29 L14a L14e	mc29 L3c		L7a L7b(i)	mc29 L7c		mc31	mc31 L8a(i)	mc31	L10a L15b(i)		mc29	L12a(ii)
3																

Past Paper Question Bank
Unit 3.1b Calculation of the Mass

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Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
4	L12a	L8a(ii)	L4a(i)	L14c	mc7 L16a	L8a	L5b	L11a(i)	L8a	L15a	mc5 L8b	L10a(i)	mc6 L11b(i) L15b(ii)	L3a	L9b	L10c(i)
5											L3b		L2b(ii)			
6 redo	L7c	mc12 mc13	L12b(i)	L11c(ii)	mc14 L11b	mc17 L11a	L10b	L11b(i)	L7b	mc18 L10c	L12a	mc5 mc15 L5a	mc16 L5a	L13b	mc18 L14a	mc17 L9d
7 redo	L7c	mc12 mc13	L12b(i)	L11c(ii)	mc14 L11b	mc17 L11a	L10b	L11b(i)	L7b	mc18 L10c	L12a	mc5 mc15 L5a	mc16 L5a	L13b	mc18 L14a	mc17 L9d
8	L7b		mc11	mc16	mc13		mc17	mc16	mc19	mc19	mc17	mc16	mc17	mc18		mc18

Past Paper Question Bank
Unit 3.1c Calculations in Reactions That Involve Solutions

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Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
9																
10						mc4										

Past Paper Question Bank
Unit 3.1d Reversible Reactions

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
11 12	mc22			L10a	L5a	mc33				mc34	L3a(i)		mc31	mc33	mc33	mc34
13					L5a		mc32		L10a L10c			mc38			mc33	
14																
15a	mc23		L10c	mc32	L5b(ii)	L4a(ii)	mc33	mc32	L10b	L3b(ii)	mc33	mc34	L13b(ii)	mc34 L14b	mc34	mc35
15b		mc27				mc34			mc30	mc35	mc34	L13a	mc33		L6	mc36 L12b
15c	mc23	L2b	L10b	mc32	L5b(i)	L4a(i)	L7c(ii)	L11a(iii)		L8b(i)	L3a(ii)	mc34	L13b(i)	L14b	mc34	
15d	L8a(ii)		mc24	mc31	mc31			mc31	mc29	mc33			mc32		mc36	
16	L8b															
17					mc22				mc23							
18	L14a(iii)		L10d	L6c		L3b(ii)	L7c(iii)	L8c		L8c	L10b	L8b	L10c	L11b	L2c(iii)	L3c
19																
20																
21																
22 23																

Past Paper Question Bank
Unit 3.1e Excess Calculations

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
24																
25																
26	L2a		L8a(ii)	L7a	mc15 L12a		mc9	L10b	mc6	mc6		mc7	mc7			
27																

Past Paper Question Bank
Unit 3.2a+b Enthalpy

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
28																
29						mc7				mc8		mc10	mc30			
30 31	L5a L5c(i)	L13b	L6c	mc7	L8a	L7b	mc11 L4a	L5b	L14b(ii)	L6a(ii)	L14a(iii)	L14b	mc9 L3a L11c	mc10 L15a	mc11 L8a	L6b(ii)

Higher Traffic Lights	**Past Paper Question Bank** **Unit 3.2c Hess's Law**														©JABchem
Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
32																
33	mc21 L12c	L7a L10b	mc23 L4b	mc30 L4b	mc30 L15a	mc32 L9b	mc31 L12a(ii)	mc30 L12b	L12b	mc32 L15b	mc32 L8c	L14c	L11b(ii)	mc32 L14a(ii)	mc31 mc32 L8b	mc32 mc33 L12c

Higher Traffic Lights	**Past Paper Question Bank** **Unit 3.2d Bond Enthalpies**														©JABchem
Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
34																
35						mc8										

Higher Traffic Lights	**Past Paper Question Bank** **Unit 3.3a Oxidising & Reducing Agents**														©JABchem
Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
36a 37a				mc37	mc38				mc38	mc2	mc39					
36b 37b							mc37								mc37	
38																
39																
40																
41 42																
43																
44																
45																

Past Paper Question Bank
Unit 3.3b Ion-Electron and Redox Equations

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
46	mc27			L8a(iii)	mc37		L10a	mc37			L16b(ii)	mc37	mc37	L17b		
47	L15a	L14b	mc27 L15a(i)	mc36	L12b	mc38 L6a(ii) L13a(i)	L15a		mc38 L15a	mc37 L17a	mc37 L18a		mc38	L5b	L16a	L13b(i)
(old42)																

Past Paper Question Bank
Unit 3.4a Chromatography

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Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
48																
49																
50																

Past Paper Question Bank
Unit 3.4b Volumetric Titrations

©JABchem

Higher — Traffic Lights

Outcome	Old H 2000	Old H 2001	Old H 2002	Old H 2003	Old H 2004	Old H 2005	Old H 2006	Old H 2007	Old H 2008	Old H 2009	Old H 2010	Old H 2011	Old H 2012	Old H 2013	Old H 2014	Old H 2015
51		L15b				L15b(ii)			L17c(i)					L16b(i)	L13a :13c	
52			L14b(i)													
53	L15b(ii)				L16b(i)	L15b(i)			L17b	L18b	L16a	L10a(ii)			L13b	L13b(ii)
54	L15c	L15b(ii)	L14b(ii)		L16b(ii)	L15b(iii)		L15b	L17c(ii)	L18c	L16b(i)	L13b(ii)	L6b(i)	L16b(ii)	L13d	L13b(iii)
55	L15b(i)											L13b(i)				
56																

Higher
Traffic Lights

Past Paper Question Bank
Unit 1.1a Collision Theory

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
1	mc5 L2a			L1a	L2b(iii)								mc25		L9b	L3b(ii)
2														mc22		
3	mc7		L2a	L1c	L2b(ii)										L9a	

Higher
Traffic Lights

Past Paper Question Bank
Unit 1.1b Reaction Profiles

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
4					L2a(iv)A											
5																
6	L10b(i)		mc19	mc5	L2a(iv)B							mc25	mc24	mc26	mc24	mc5 L3c(i)
7																

Higher
Traffic Lights

Past Paper Question Bank
Unit 1.1c Temperature & Kinetic Energy

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
8																
9			L2b(i)		L2a(ii)								mc25		mc23	

Higher
Traffic Lights

Past Paper Question Bank
Unit 1.1d Catalysts

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
10	mc6				L2a(iv)C							mc26				
11	L10b(ii)		L2b(ii)									L5b(ii)				

Past Paper Question Bank
Unit 1.2a Arrangement of Elements in PT

Higher Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
12														
13 22														
14 16 17														
15 18														
19 20 21		mc1												mc1

Past Paper Question Bank
Unit 1.2b Bonding & Structure of 1st 20 Elements

Higher Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
23														
24														
25														
26		L1a		mc4 L1a						mc1 L1a	mc2 mc3 L1a(i)	mc2	L1a	L1a

Past Paper Question Bank
Unit 1.2c Periodic Trends in I.E. and Cov Radii

Higher Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
27 28		L1b(ii)	L2a(i) L2a(ii)								L1a(ii)	mc3 L1a(ii)	L1b	L1b(ii)
29 30	L1a(i) L1a(ii)	mc2	mc1 L2b(ii)	L1b(ii) L1b(iii)						mc2	mc5	L1a(i)	mc1	mc3 mc4
31 32			L2b(i)	L1b(i)										mc2

Past Paper Question Bank
Unit 1.2d Periodic Trends in Electronegativity

Higher Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
33 34		mc3		mc3						mc3	L7a L7b L7c	mc1		
35 36										L1b	L1b		mc2	

| Higher Traffic Lights | **Past Paper Question Bank Unit 1.2e Polar Covalent Bonds** | | | | | | | | | | ©JABchem | | | | |

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
37															
38					mc1										
39	mc2			mc2									mc1		
40	mc1				mc5									mc4	

| Higher Traffic Lights | **Past Paper Question Bank Unit 1.2f Bonding Continuum** | | | | | | | | | | ©JABchem | | | | |

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
41			L12c(i)	mc3							mc4	mc4		mc3	L10d(i)
42				L3a									L7b(ii)		
43															

| Higher Traffic Lights | **Past Paper Question Bank Unit 1.3a Van der Waals' Forces** | | | | | | | | | | ©JABchem | | | | |

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
44													mc5		
45	mc3		mc4								mc5				
46															

| Higher Traffic Lights | **Past Paper Question Bank Unit 1.3b London Dispersion Forces** | | | | | | | | | | ©JABchem | | | | |

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
47															
48 50												mc6			
49			L1b(iii)		L1c									mc4	L1b(iii)

Higher Traffic Lights
Past Paper Question Bank
Unit 1.3c Permanent Dipole-PD Interactions
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Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
51	L6b										L6b			
52				L5c(ii)						mc6		L3a	mc5	
53												L3b		

Higher Traffic Lights
Past Paper Question Bank
Unit 1.3d Hydrogen Bonding
©JABchem

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
54														
55		mc5	L12a(i)								L4a			
56														

Higher Traffic Lights
Past Paper Question Bank
Unit 1.3e Relating Properties to Intermolecular Forces
©JABchem

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
57 58														
59	mc4									L2a				
60														
61	L8b(i)	L12a(ii) L12a(iii)												L3a
62														

Higher Traffic Lights
Past Paper Question Bank
Unit 1.3f Predicting Solubility from Solute & Solvent Polarity
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Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
63 64	mc11	L6b(i)		mc2						mc14	mc7 L10a	mc14	mc6	
65	L5b									L10b(i)			L7c(iii)	
66														
-														

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
1																
2																
3 4	L3a(i) L6e(i)		L11c	L7c(i)	mc10							L4a(i)	L10b(i)	mc10	L6a(iii)	L2b
6 7	L6a L6c(ii)		Mc14 L11b	L7c(iv)									L9a(i)	mc11	L6a(ii)	mc11
5 8												L4a(ii)			mc10	L7c
9																
10				L4a(i)								mc10	mc11			

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
11																
12 13	mc8			L5a	mc19								mc12	L1b	L7c(i)	mc13 mc16
14				mc7 L5b(i)	mc8								L14a			
15	L9a(i)		mc8	L5c(ii) L5c(iii)								L3b		mc12 mc13		mc12

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
16																
17 18 19	L12a			L6c	L9c(i)							mc11	L9a(iii)			
22	mc9			L6a L6b									mc15	mc13		
20	mc8 L8c(i)				L9c(ii)A L9d(i) L9d(ii)							mc12	mc12 mc14		L7a	mc18
21			L6c(ii)A L6c(ii)B													
24			L6c(i)	L6e(i)	L9c(ii)B							L8b(ii)	L9a(ii)	L6a(ii)		mc14
25													L9b(i) L9b(ii)			

Past Paper Question Bank
Unit 2.4 Chemistry of Cooking

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
26																
27				mc6											mc14	
28	mc12												mc16	mc6	mc14	
29																
30																
31			L6a	mc8	L9c(iii)A L9c(iii)B							L8a	L12b(ii)	mc15	mc13 L2a(i)	

Past Paper Question Bank
Unit 2.5 Oxidation of Food

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
32			L4d(ii)B	L7b(iv)	L6a(i)							mc16			L7b	mc15
33 34 35	L3b				L6a(ii)C L6a(iii)A							mc17 L4b L6a	mc18 L3b(ii)	mc16 L4a(ii)	mc12	mc19 L7a
37 43			mc11 mc12	mc11 L11b(iii)	L6a(ii)A L6a(ii)B L6b(iv)									L4a(i)		
36			mc10									mc15				mc17
38 39	L8a		L11a L13a	L7b(iii) L11b(i)	mc16 L6b(iii)										mc15	
40			mc40		L6c										mc11	mc20
41 42	L6c(i)			mc12	L6b(i) L6b(ii)							mc9 L5a	mc17 L4b(i)	mc9 mc17 L6a(i)		
44																
45 46	L9a(iii)		mc6									L3c				
47																

Past Paper Question Bank
Higher — Unit 2.6 Soaps & Emulsions
Traffic Lights ©JABchem

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
48	mc8 mc13 L9b(i)		mc7 mc9	mc9	L4a(i) L4b(i) L4b(ii)							L3a L8b(iii)	mc12 L14b(i)	mc18 L4b(ii) L6a(iii)		mc9 L3b(i)
49					L9a(i) L9a(ii)								L14b(ii)		mc16	L6a
50																
51																
52	L8b(ii)			mc10								mc18 L5c(i)			mc17	

Past Paper Question Bank
Higher — Unit 2.7 Fragrances
Traffic Lights ©JABchem

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
53					mc11											mc10
54																
55																L2a(ii)
56																
57																
58	L3c		mc13 L4d(i)	mc5	L10c(ii)							L4c	mc19	mc19	mc18	L4d(i)

Past Paper Question Bank
Higher — Unit 2.8 Skin Care Products
Traffic Lights ©JABchem

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
59															L8a(ii)	
60																
61				L7a												
62			L12c(ii)	L7b(i)											L8a(i)	L10d(ii)
63												L2c(ii)				
64	L2b(ii)		L12c(iii)	L7b(ii)	mc9							L2c(i)	L13b(i) L13b(ii)		L8a(iii)	L10d(iii)
65														L2a		
66																
67																

Past Paper Question Bank
Unit 3.1a Factors Affecting Design of a Chemical Process

Higher Traffic Lights

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
1			L8a													L9a(i)
2	L10a(ii)		L7c(i)									L6b(iii)				L9a(ii)
3																

Past Paper Question Bank
Unit 3.1b Calculation of the Mass

Higher Traffic Lights

©JABchem

Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
4					mc6							L7a	L11b(i)	L7b(ii)	L12b	
5					L7c											
6				L3b	L9b(ii)								L5a			mc7
7	L2b9i)		L7a									mc21 L7d(i)	Mc20	L7a(ii)	mc19 L12a	mc25 L3d
8														mc21		

Past Paper Question Bank
Unit 3.1c Calculations in Reactions That Involve Solutions

Higher Traffic Lights

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Outcome	original spec		CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
9																
10	L8b(ii)		L10b(ii)									mc22 (1st question) L9a(i)				

Past Paper Question Bank
Unit 3.1d Reversible Reactions

Higher — Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
11 12	mc15	mc18		mc17								mc22	mc20	mc23
13			mc15							mc22 (2nd question)	mc21		mc20	
14														
15a	L10a(iii)		L8a	L2a(iii)B						mc23	L13c(ii)	mc23 L8b	mc21	mc24
15b	L10a(ii)	L8b								L7b				mc25 L9b
15c			L8a	L2a(iii)A						mc23	L13c(i)	L8b	mc21	
15c			mc20							mc22	L11c(ii)			
16														
17											mc24			
18	L9b(iii)	L3b(ii)A	L7c(iii)							L6b(ii)	L10c	L5b	L2a(iii)	L2c(ii)A
19														
20			L8b(ii)								mc24			
21	L6c(iii)			mc14						L5b(i)	L10b(ii)	L5a	L6b	
22 23														

Past Paper Question Bank
Unit 3.1e Excess Calculations

Higher — Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
24										mc24				
25														
26	L10a(i)	L3b(i)	mc13	L5a(ii)							mc23		L2c(i)	
27														

Past Paper Question Bank
Unit 3.2a+b Enthalpy

Higher — Traffic Lights

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
28														
29	mc17		mc16	mc12						mc27	mc27	mc27	mc26 L2b	
30 31	mc16 L5a	mc17 L7b(i)C	L9a(i) L9a(iii)	L4b(iii)						L10b	mc26 L3a(i)		mc25 L4b(i)	mc28 L3c(ii)

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
32														
33	L5c	mc16	L9b	L5b						mc28 L6c	L11b(ii)	mc28 L8a	mc27 L4b(ii)	mc21 L9c

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
34			mc14	L2a(i)						mc29 L2b				
35	L2b(iii)	L7c(ii)	L8c	mc18						L2c(iii)	mc28	L3b	L3b	mc27

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018					revH spec	revH 2012	revH 2013	revH 2014	revH 2015
36a 37a			mc17								mc8			
36b 37b													mc8 L2a(ii)	
38														
39														
40	mc18			mc13						mc7	L1a(iii)	mc7	mc7	
41 42											L13a			mc6
43														
44														
45														L10a

Past Paper Question Bank
Unit 3.3b Ion-Electron and Redox Equations

Higher Traffic Lights ©JABchem

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
46	mc14 L7b(ii)		mc18	L6b(iii)B							L7c	Mmc9	L2b	L11a	
47		L12a(ii)	mc19 L11b(ii)	L7b(ii)							L2c(iv)	L5b	L10a	L5a(i)	L10b(ii)
(Old42)			L11b(iv)												L10b(iii)

Past Paper Question Bank
Unit 3.4a Chromatography

Higher Traffic Lights ©JABchem

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
48		L4c(i) L4c(ii)	L6d(i)								L11a				L4c(i) L4c(ii)
49		L4a L4b		L10a(i) L10a(ii)							L11b		L6b	Mc28	L4a L4b
50	L12c(i) L12c(ii) L12c(iii)		L6d(ii)									Mc29			

Past Paper Question Bank
Unit 3.4b Volumetric Titrations

Higher Traffic Lights ©JABchem

Outcome	original spec	CfE H 2015	CfE H 2016	CfE H 2017	CfE H 2018						revH spec	revH 2012	revH 2013	revH 2014	revH 2015
51		L10a(i) L12a(i)	L5c(i)												
52				L7b(i)											
53															
54	L7b(i)	L12a(iii)		L7b(iii)A L7b(iii)B								L6c(iii)	L10b(i) L10b(ii)	L5a(iv)	
55	L7a(i) L7a(ii) L7a(iii)	L10a(ii)	L11a(i)	L7a L7b(iii)C							L9a(ii) L9a(iii)	L6c(ii)	L10b(iii)	mc30 L11b(i)	
56	mc19	L10b(i)		L7b(iii)A							L9a(iv)	L6c(i)	mc29	mc29 L5a(ii)	L10b(i)