

Advanced Higher Chemistry 2022-23

Week No.	Week Beg.	Advanced Higher Chemistry	Homework guide
	06 Jun 22	UNIT 1 - INORGANIC CHEMISTRY EM radiation	
	13 Jun 22	Electronic configuration / Quantum numbers	
	20 Jun 22	Ionisation energy / Blocks of the Periodic Table / VSEPR	
	27 Jun 22	VSEPR H H H	
SUMMER BREAK			
1	15 Aug 22	IS IS Transition metals / oxidation states	
2	22 Aug 22	Transition metal complexes-colour / catalysis	
3	29 Aug 22	Revision UNIT 1	
4	05 Sep 22	UNIT 1 TEST / UNIT 2 - PHYSICAL CHEMISTRY Equilibrium constant	
5	12 Sep 22	Equilibrium of acids and bases / pH salts	
6	19 Sep 22	Buffers and indicators H	
7	26 Sep 22	H Thermodynamics - Enthalpy & Entropy	
8	03 Oct 22	Thermodynamics - Gibbs free energy	
9	10 Oct 22	Kinetics / Revision UNIT 2 1st Interim	
OCTOBER BREAK			
10	24 Oct 22	IS UNIT 2 TEST / UNIT 3 - ORGANIC CHEMISTRY AND INSTRUMENTAL ANALYSIS Hybridisation & Bonding	
11	31 Oct 22	Chromophores / Skeletal structures / Stereochemistry	
12	07 Nov 22	Synthesis: alkanes / alkenes	
13	14 Nov 22	Synthesis: haloalkanes / alcohols	
14	21 Nov 22	Synthesis: Ethers / Carboxylic acids / Revision Unit 3 Mid Test	
15	28 Nov 22	UNIT 3 - MID TEST / Synthesis: Amines / Aromatics	
16	05 Dec 22	Chemical analysis: Elemental analysis / Mass spec / IR	
17	12 Dec 22	Chemical analysis: NMR	
18	19 Dec 22	Pharmaceutical Chemistry	
CHRISTMAS BREAK			
19	02 Jan 23	H H H Revision PRELIM	
20	09 Jan 23	Revision PRELIM Full report	
21	16 Jan 23	PRELIMS	
22	23 Jan 23	PRELIMS	
23	30 Jan 23	UNIT 4 - RESEARCHING CHEMISTRY Standardisation	
24	06 Feb 23	Colorimetry / Complexometric titrations IS	
25	13 Feb 23	H H Stoichiometric calculations Parents' Eve	
26	20 Feb 23	Gravimetric analysis	
27	27 Feb 23	Back titration	
28	06 Mar 23	Dilutions / Key steps in laboratory synthesis : Reflux / Recrystallisation / Melting point	
29	13 Mar 23	Key steps in laboratory synthesis: TLC / solvent extraction / distillation	
30	20 Mar 23	2nd Interim Percentage Yield / Errors / Significant figures	
31	27 Mar 23	Revision Unit 4 / UNIT 4 - TEST	
SPRING BREAK			
32	17 Apr 23	Exam Preparation	
33	24 Apr 23	Exam Preparation	Exam preparation
34	01 May 23	H IS	
35	08 May 23	Chemistry exam - TBC	
36	15 May 23		
37	22 May 23	H	

All pupils receive one piece of written homework per week which will be teacher marked.

In addition, pupils are expected to study regularly in preparation for class tests.