

Isaac Physics Teacher CPD

Using isaacphysics.org for A Level Chemistry and Thermal Physics resources



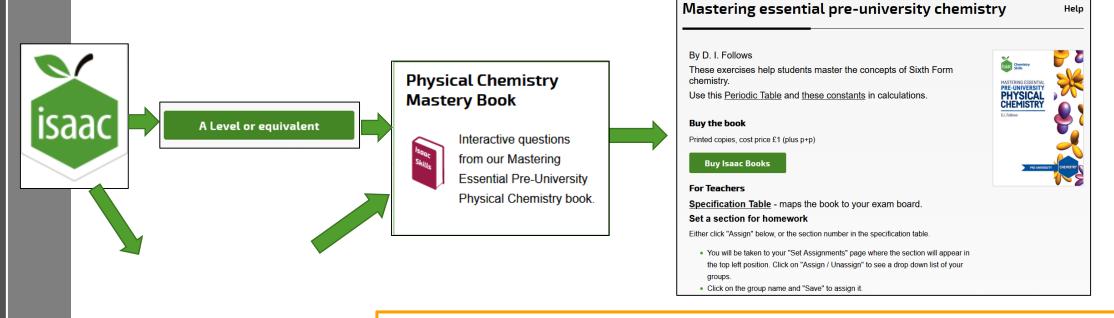
This session's objectives:

- Finding Isaac Chemistry resources: https://isaacphysics.org/chemistry
- ➤ Using the Syllabus maps to find syllabus-appropriate book questions: https://isaacphysics.org/pages/syll map chem
- Using the Boards by Topic page to find suitable questions on a given topic
- Using the Question Finder to select questions by topic and level
- Using the Chemistry Equation Editor: https://youtu.be/zeBHUkVeKPE
 - https://isaacphysics.org/questions/ch_editor_1
 - https://isaacphysics.org/questions/ch_editor_2
- Using the Structural Formula Editor: https://jsme-editor.github.io/dist/JSME_test.html
- Your questions!



Using the Syllabus Maps to find syllabusappropriate book questions

> Follow this path to find the specification table for A Level:



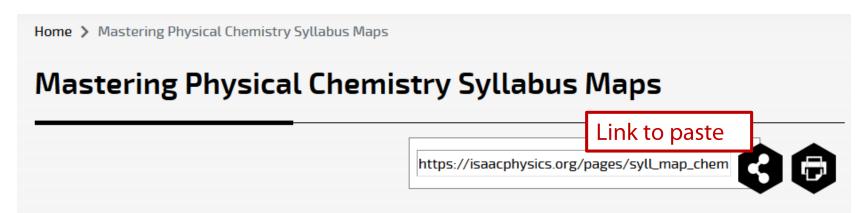
Apple/Learn A Level or Learn/A Level Resources/Physics Chemistry Mastery Book/Specification table

https://isaacphysics.org/pages/syll_map_chem_(copy into SOW for ref)
7 English and Welsh specifications are here – we are planning to include the
Scottish and Irish specifications as soon as possible



A Level Physical Chemistry Syllabus Maps

> Find syllabus-appropriate questions:



You can set each page of the book as homework in 2 clicks! When logged on as a teacher, click on the page you wish to assign (e.g. A1) and you will be taken to your set assignments page with A1 as the top left box ready to assign to as many groups as you wish.

		OCR A (H032/H432)	OCR B (H033/433)	AQA	Edexcel	Eduqas	CIE Pre-U	IE Chem
Α	Formulae & Equations							
<u>A1</u>	Empirical formulae	2.1.3	EL(b)	3.1.2.4	Topic 5	C1.3	A4.1	1.
<u>A2</u>	A_r & M_r and molecular formula	2.1.3	EL(a)	3.1.1.2 <i>/</i> 3.1.2.1	Topic 1	C1.3	A4.1	1.



Using the Boards by Topic page to find questions

- > https://isaacphysics.org/pages/boards by topic chem
- rb.gy/oqbrq



A Level (only A Level boards are available for chemistry currently)

Торіс	What it contains	Link					
Stoichiometry and Inorganic Chemistry							
Atomic Structure	7×P1, 1×P2; MCQ, short-answer, drag-and-drop	<u>View</u> board					
Electron Configurations	7×P1, 1×P2; MCQ, short-answer, drag-and-drop	<u>View</u> board					
Mass Spectrometry	4×P1, 2×P2, 1×C2; quick, MCQ, numeric, short-answer	<u>View</u> board					
Moles & Chemical Formulae	5×P1, 3×P2; numeric, chemistry	<u>View</u> <u>board</u>					
Chemical Equations & Stoichiometry	8×P1, 1×P2; numeric, chemistry	<u>View</u> board					
Further Staichiometry (incl. Titrations)	7xP1 2xP2 1xC2·	\/iew					



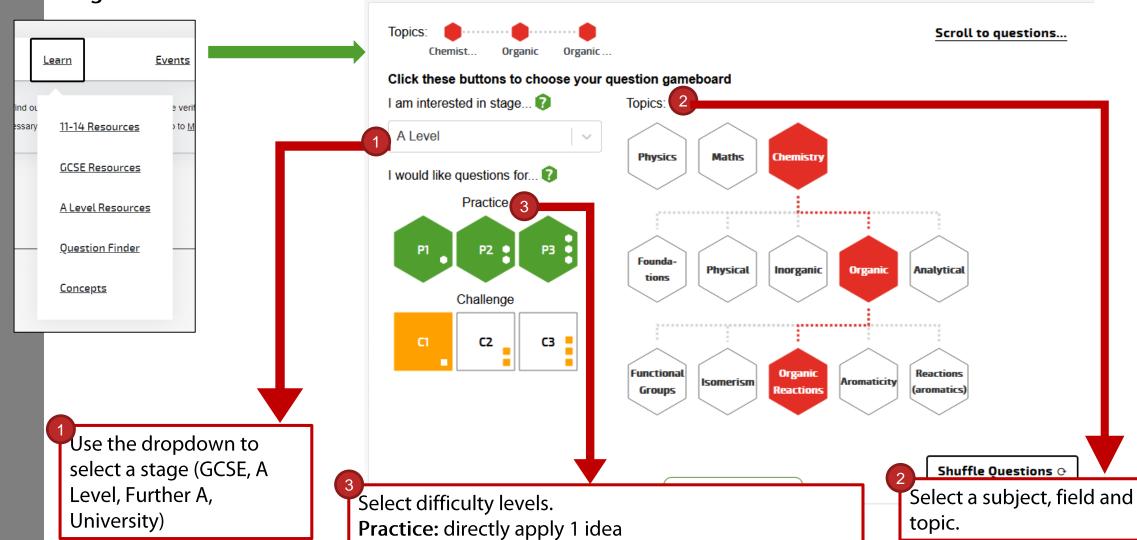
Question Finder

Route

Learn/Question finder



Use the Question Finder to create gameboards



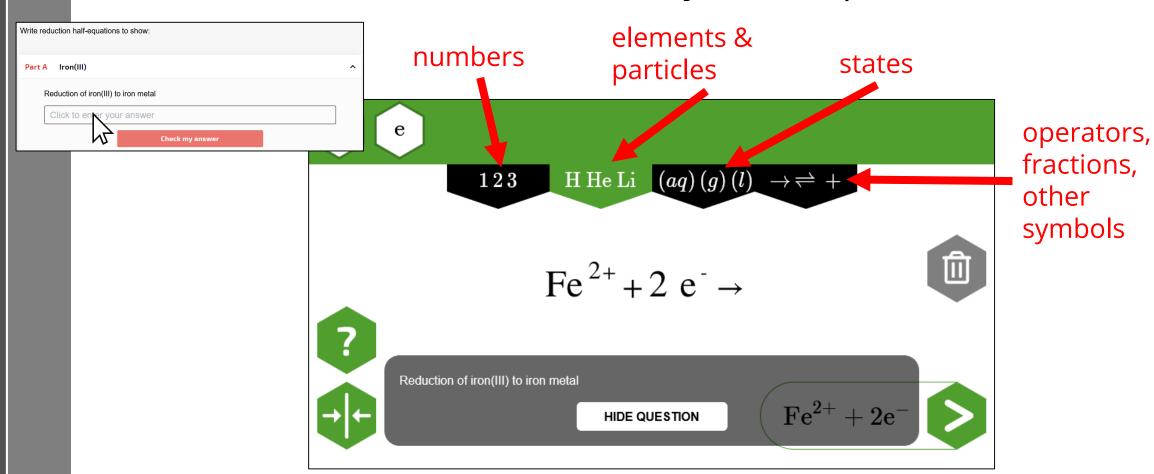
Challenge: Apply multiple ideas, use creativity



Equation editor: Chemistry



Use mouse/touch to answer symbolic questions



SJSME test page

Structural Formula editor

Click to show smile string (paste into answer box)

> Can show stereoisomers

