

Year 13 Chemistry T1

PRT Task

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ow to use a carbon-13 NMR to make predictions about the number of carbon environments in a molecule; how to use a carbon-13 MR to make predictions about possible structures for the molecule; how to use a high resolution proton NMR spectrum to make redictions about the number of proton environments in the molecule.		proper nouns • Full stops must be used at the end of sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must b spelled correctly • Key words must be spelled correctly Homework
That will I be learning about in this Learning Programme? pow to interpret proton and carbon NMR spectra. pow to identify an organic molecule form an NMR spectra. eviewing my learning of modules 2,4&6 in preparation for my summer examinations there have I seen this learning before? pu have covered organic functional groups as you have moved through Yr12 and 13. the remainder of the learning programme we are recapping all taught content so we are well prepared for the summer examinations that could I use it for? urther degree study, careers in chemical analysis and synthesis particularly in the manufacturing of medicines. LP4.1, I will know: 10/03/25 - (WK 2) pw to use a carbon-13 NMR to make predictions about the number of carbon environments in a molecule; how to use a carbon-13 MR to make predictions about possible structures for the molecule. LP4.2, I will know: 17/03/25 - (WK 1) with know: 17/03/25 - (WK 1) with i didniting a molecule from a carbon-13 or proton NMR spectrum; how to deduce the structures of organic compounds from	Key Vocabulary Nuclear magnetic resonance	sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must b spelled correctly • Key words must be spelled correctly Homework
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w to identify a molecule from a carbon-13 or proton NMR spectrum; how to deduce the structures of organic compounds from	spectroscopy	NMR practice questions
	Key Vocabulary	Homework
	Nuclear magnetic resonance spectroscopy	NMR practice questions
LP4.3, I will know: 24/03/25 - (WK 2) K	Key Vocabulary	Homework
y strengths and areas for development in module 2.	Molar gas volume	Amounts of substances practice questions
tended Task.		
	Key Vocabulary	Homework
y strengths and areas for development from module 4.	Moles	Core organic practice questions
LP4.5, I will know: 21/04/25 - (WK 2) K	()(Hermonical
y strengths and areas for development from module 6.	Key Vocabulary	Homework
,	Aromatic hydrocarbon	Benzene Practice questions
LP4.6, I will know: 28/04/25 - (WK 1) K	Key Vocabulary	Homework
y strengths and areas for development from module 6.	Carbonyl compounds	Carbonyl compounds practice question
ctended Task.	,	
	Key Vocabulary	Homework
y strengths and areas for development in module 2.	Redox	Redox practice questions