

Alkanes, Alkenes, Alkynes and Cyclic Hydrocarbons - Worksheet - ANSWERS

Name or draw the following compounds:

	Chemical structure	IUPAC Name
1	$\text{H}_3\text{C}-\text{CH}_2-\overset{\text{Cl}}{\underset{ }{\text{CH}}}-\text{CH}_3$	2-chlorobutane
2	$\begin{array}{c} \text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{CH}-\text{CH}_2-\text{HC}-\text{CH}_3 \\ \quad \\ \text{CH}_3 \text{CH}_3 \end{array}$	3,5-dimethylheptane
3	$\text{H}_3\text{C}-\overset{\text{Br}}{\underset{ }{\text{CH}}}-\text{CH}_2-\overset{\text{Br}}{\underset{ }{\text{CH}}}-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\underset{\text{Cl}}{\text{CH}_3}$	4,6-dibromo-2,2-dichloro-3-methylheptane
4	$\begin{array}{c} \text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{C}-\text{CH}_2-\underset{\text{NH}_2}{\underset{ }{\text{CH}}}-\text{CH}_2-\text{CH}_2-\text{NO}_2 \\ \\ \text{CH}_3 \end{array}$	3-amino-5-ethyl-5-methyl-1-nitroheptane
5	$\text{H}_3\text{C}-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_2-\underset{\text{CH}_3}{\underset{ }{\text{C}}}-\underset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_2-\text{CH}_3$	2,4,4-trimethylhexane
6	$\begin{array}{c} \text{CH}_3 \\ \\ \text{HC}-\text{CH}_2-\underset{\text{Cl}}{\underset{ }{\text{CH}}}-\underset{\text{Cl}}{\underset{ }{\text{CH}}}-\text{CH}_3 \\ \\ \text{CH}_2 \\ \\ \text{Cl}-\underset{\text{CH}_3}{\underset{ }{\text{CH}}} \end{array}$	2,3,7-trichloro-5-ethyloctane
7	$\text{H}_3\text{C}-\underset{\text{NO}_2}{\underset{ }{\text{C}}}-\underset{\text{NH}_2}{\underset{ }{\text{CH}}}-\text{CH}_2-\underset{\text{NO}_2}{\underset{ }{\text{C}}}-\underset{\text{NH}_2}{\underset{ }{\text{CH}}}-\text{CH}_3$	2,4-diamino-2,4-dinitropentane
8	$\text{Cl}-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\text{CH}_2-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\text{CH}_2-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\text{CH}_3$	1,1,1,3,3,5,5-heptachlorohexane
9	$\text{H}_3\text{C}-\underset{\text{CH}_3}{\underset{ }{\text{C}}}-\underset{\text{CH}_3}{\underset{ }{\text{C}}}-\text{CH}_2-\overset{\text{Br}}{\underset{ }{\text{CH}}}-\text{CH}_3$	2-bromo-4,4-dimethylhexane
10	$\text{H}_3\text{C}-\text{CH}_2-\underset{\text{Cl}}{\underset{ }{\text{C}}}-\overset{\text{Br}}{\underset{ }{\text{C}}}-\text{CH}_2-\text{CH}_3$	3-bromo-3-chloropentane
11	$\text{H}_3\text{C}-\underset{\text{NO}_2}{\underset{ }{\text{CH}}}-\text{CH}_2-\overset{\text{Br}}{\underset{ }{\text{CH}}}-\text{CH}_3$	1-bromo-3-nitrobutane
12	$\text{CH}_3-\overset{\text{Cl}}{\underset{ }{\text{CH}}}-\underset{\text{Cl}}{\underset{ }{\text{CH}}}-\text{CH}_2-\text{CH}_3$	2,3-dichloropentane

Alkanes And Alkenes Datasheet Answers

John Stranger Holman, Philip Stone



Alkanes And Alkenes Datasheet Answers:

Chemistry Extension File Eileen Ramsden,2002 This chemistry extension file includes teaching notes guidance on coursework activities and equipment It has at least one assignment for each topic in the textbooks suitable for classwork and homework A comprehensive range of practical activities are included It contains extensive Key Skills and ICT materials An exam file resource containing a complete set of exam style questions in a format that can be used throughout Years 10 and 11 or as a resource for a revision programme is included **Revise As and A2 - Chemistry** Rob Ritchie,2008-10 Revise AS A2 Chemistry gives complete study support throughout the two A Level years This Study Guide matches the curriculum content and provides in depth course coverage plus invaluable advice on how to get the best results in the exams

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New Coordinated Science: Chemistry Students' Book RoseMarie Gallagher,R. Gallagher,Paul Ingram,2001-07-19 Provides information in manageable chunks which is reinforced by questions and activities that encourage students to consider the practical application of science to everyday life This work is useful for Higher Tier GCSE students *Chemistry* John Stranger Holman,Philip Stone,2002 This science series had a curriculum audit matching the books to all the major specifications It has practical experiments expanded from the texts to include ICT support OHTs of all the diagrams in the textbooks are included Answers are given to all the questions in the textbooks Sc1 enquiry material is provided in line with the revised National Curriculum requirements It has additional support for Key Skills and additional material linked to the four learning programmes Science in Focus **AQA Smart GCSE Chemistry: AQA Smart GCSE Chemistry Teacher Handbook** Kristy Turner,2025-09-11 This AQA GCSE Chemistry Teacher Handbook ebook edition has been brought right up to date to meet the needs of today s science teachers Subject and non subject specialists can be confident that this guide gives them what they need to pick up and teach GCSE Chemistry lessons that will have a lasting impact on their students This book is full of clear guidance and explanations including topic overviews common misconceptions key terminology and ideas to help you to relate the content to relevant contexts and students experiences Drawing on insights from current research evidence informed teaching strategies support your professional development Use this along with the Biology and Physics AQA GCSE Science Teacher Handbooks as well as the matching Student Books A print version of this book 9781382051453 is also available to buy separately *Nelson Modular Science* Paul Collison,2002 The Nelson Modular Science series is made up of three books divided into single double and triple award modules presented in an accessible format Book 1 covers the six single award and one coursework modules Book 2 contains six double award modules and Book 3 covers the six triple award modules Each module is covered in self contained units This teacher s file includes practical

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Hunt,Graham Curtis,Graham Hill,2015-07-17 Exam Board Edexcel Level AS A level Subject Chemistry First Teaching

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Penny Chaloner,2014-12-15 Offering a different more engaging approach to teaching and learning Organic Chemistry A Mechanistic Approach classifies organic chemistry according to mechanism rather than by functional group The book elicits an understanding of the material by means of problem solving instead of purely requiring memorization The text enables a deep unders *Catalysis in the Refining of Fischer-Tropsch Syncrude* Arno de Klerk,Edward Furimsky,2010-12-15 Fischer Tropsch Synthesis FTS has been used on a commercial scale for more than eighty years It was initially developed for strategic reasons because it offered a source of transportation fuels that was independent from crude oil Unlike crude Fischer Tropsch synthetic crude is rich in olefins and oxygenates while being sulphur and nitrogen free Consequently the catalysis involved in refining it is significantly different and only a few catalysts have been developed for the purpose Until now an account of this topic has been missing from the literature despite mounting interest in the technology This is the first book to provide a review and analysis of the literature journal and patent on the catalysis needed to refine syncrude to

transportation fuels It specifically highlights the impact of oxygenates and how oxygenates affect selectivity and deactivation This aspect is also related to the refining of biomass derived liquids Topics covered include dimerisation oligomerisation isomerisation hydroisomerisation catalytic cracking hydrocracking and hydrogenation catalytic reforming aromatic alkylation etherification dehydration and some oxygenate and wax specific conversions The HPLC Solvent Guide Paul Charles Sadek,2002-02-27 High performance liquid chromatography HPLC is a procedure for separating components from a mixture of chemical substances a combination of separation identification and quantitative measurements Solvent selection is perhaps the most commonly overlooked parameter in HPLC Even the most experienced analytical chemist tends to select one of three familiar solvents The HPLC Solvent Guide provides detailed coverage of all commonly used HPLC solvents used in a wide range of separations HPLC is a mature but substantial market and one that Wiley reaches successfully and well The HPLC list is established and this second edition of a successful title will build upon the success of the first This is a revised and expanded edition in a field that is still growing into areas of analysis and methods

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