

WKS
Naming & Formulas of Covalent
Compounds & Acids WS

NAME _____
Period _____ **Date** _____

1. What is a binary molecular compound?

A covalently-bonded compound composed of only two kinds of non-metal elements, that does not start with H (those compounds are acids).

2. In the table below, fill in the prefix corresponding to the number of atoms in the formula:

Number	Prefix	Number	Prefix
1	mono-	6	hexa-
2	di-	7	hepta-
3	tri-	8	octa-
4	tetra-	9	nona-
5	penta-	10	deca-

In the table below, determine the formula of the binary covalent compound or acid from its name, or the name of the compound from the formula.

Name to Formula		Formula to Name	
3. antimony tribromide	SbBr_3	14. P_4S_5	tetraphosphorous pentasulfide
4. iodine pentafluoride	IF_5	15. SeO_3	selenium trioxide
5. dinitrogen trioxide	N_2O_3	16. Si_2Br_6	disilicon hexabromide
6. ammonia	NH_3	17. SCL_4	sulfur tetrachloride
7. phosphorus triiodide	PI_3	18. CH_4	methane
8. carbon monoxide	CO	19. NF_3	nitrogen trifluoride
9. phosphorous pentachloride	PCl_5	20. N_2O	dinitrogen monoxide
10. tetraiodine nonoxide	I_4O_9	21. IF_7	iodine heptafluoride
11. bromic acid No hydro, so bromate	HBrO_3	22. HClO	ClO^- = hypochlorite hypochlorous acid
12. phosphorous acid No hydro, so phosphite	H_3PO_3	23. HF	F^- = fluoride hydrofluoric acid
13. hydroiodic acid hydro, so iodide	HI	24. H_2CO_3	CO_3^{2-} = carbonate carbonic acid

25. What is the difference between a binary acid and an oxyacid? How are each named?

A binary acid contains H covalently bonded to what looks like a monatomic anion from the periodic table (or a polyatomic anion ending in -ide). An oxyacid contains H covalently bonded to what looks like a polyatomic oxyanion from Table D. The binary acid is named by adding "hydro-" before the root and "-ic acid" after the root of the anion, and oxyacids are named by changing the ending of the anion, either "-ate" to "-ic acid" or "-ite" to "-ous acid"

Ch 8 2 Acids Covalent Naming Answer Key

Michael B. Smith



Ch 8 2 Acids Covalent Naming Answer Key:

Organic Chemistry Michael B. Smith, 2011-06-29 Based on the premise that many if not most reactions in organic chemistry can be explained by variations of fundamental acid base concepts *Organic Chemistry An Acid Base Approach* provides a framework for understanding the subject that goes beyond mere memorization The individual steps in many important mechanisms rely on acid base reactions and the ability to see these relationships makes understanding organic chemistry easier Using several techniques to develop a relational understanding this textbook helps students fully grasp the essential concepts at the root of organic chemistry Providing a practical learning experience with numerous opportunities for self testing the book contains Checklists of what students need to know before they begin to study a topic Checklists of concepts to be fully understood before moving to the next subject area Homework problems directly tied to each concept at the end of each chapter Embedded problems with answers throughout the material Experimental details and mechanisms for key reactions The reactions and mechanisms contained in the book describe the most fundamental concepts that are used in industry biological chemistry and biochemistry molecular biology and pharmacy The concepts presented constitute the fundamental basis of life processes making them critical to the study of medicine Reflecting this emphasis most chapters end with a brief section that describes biological applications for each concept This text provides students with the skills to proceed to the next level of study offering a fundamental understanding of acids and bases applied to organic transformations and organic molecules

Brown's Introduction to Organic Chemistry William H. Brown, Thomas Poon, 2017-06-28 *Introduction to Organic Chemistry 6th Global Edition* provides an introduction to organic chemistry for students who require the fundamentals of organic chemistry as a requirement for their major It is most suited for a one semester organic chemistry course In an attempt to highlight the relevance of the material to students the authors place a strong emphasis on showing the interrelationship between organic chemistry and other areas of science particularly the biological and health sciences The text illustrates the use of organic chemistry as a tool in these sciences it also stresses the organic compounds both natural and synthetic that surround us in everyday life in pharmaceuticals plastics fibers agrochemicals surface coatings toiletry preparations and cosmetics food additives adhesives and elastomers

Prentice Hall Chemistry, 2000

Introduction to Organic Chemistry William H. Brown, Thomas Poon, 2016-01-13 *Introduction to Organic Chemistry 6th Edition* provides an introduction to organic chemistry for students who require the fundamentals of organic chemistry as a requirement for their major It is most suited for a one semester organic chemistry course In an attempt to highlight the relevance of the material to students the authors place a strong emphasis on showing the interrelationship between organic chemistry and other areas of science particularly the biological and health sciences The text illustrates the use of organic chemistry as a tool in these sciences it also stresses the organic compounds both natural and synthetic that surround us in everyday life in pharmaceuticals plastics fibers agrochemicals surface coatings toiletry

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 Seager and Slabaugh s INTRODUCTORY CHEMISTRY FOR TODAY Fifth Edition continues to lead the market on both fronts
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 Linda E. Graham,James M. Graham,Lee Warren Wilcox,2003 This book focuses readers on the function of plants and the role
 they play in our world The authors emphasize the scientific method to help readers develop the critical thinking skills they
 need to make sound decisions throughout life This focus on how plants work and the development of critical thinking skills
 together support the ultimate goal of developing scientific literacy This book is organized around the themes of DNA science
 global ecology and evolution The key concepts discussed in the book are molecules cells and microbes plant structure and
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 Robinson,Jerome D. Odom,Henry Fuller Holtzclaw,1992 **Foundations in Microbiology** Kathleen P. Talaro,Arthur
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I Will Lift Up Mine Eyes - SATB - Naylor Original scriptural setting from Psalm 121:1-4, arranged for mixed chorus (SATB) and piano. ... Difficulty: Medium / medium-difficult acc. Performance time: 4:00. I Will Lift Up Mine Eyes I Will Lift Up Mine Eyes. A Cantata for Tenor Solo, S.A.T.B. Chorus, and Orchestra (Piano-Vocal Score). Adolphus Hailstork (composer), Anonymous (lyricist) ... I Will Lift Mine Eyes Unto the Hills (Psalm 121) ... Music Sample: CGB528 I Will Lift Mine Eyes Unto the Hills (Psalm 121) (Full Score). Description: This calm, meditative original composition directly ... I will lift up mine eyes -

Sheet Music - John Rutter John Rutter. I will lift up mine eyes. Vocal score. Forces or Category: SATB & organ/orchestra. Orchestration: 2.2.2.2-2.0.0.0-timp(opt)-hp-str. I to the Hills Will Lift Mine Eyes (Psalm 121) I to the Hills Will Lift Mine Eyes (Psalm 121): from Tenebrae (III) (Full Score) - 8598A. \$17.00 ; I to the Hills Will Lift Mine Eyes (Psalm 121): from Tenebrae ... I Will Lift Up Mine Eyes Vocal Range: High ; Pitch Range: E4- F#5 ; Composer: Michael Head ; Text Source: Ps 121 ; Publisher: Carl Fischer ... John Tavener: I Will Lift Up Mine Eyes ... John Tavener: I Will Lift Up Mine Eyes Unto The Hills (Vocal Score). German Edition. John Tavener: I Will Lift Up Mine Eyes Unto The Hills (Vocal Score). I Will Lift My Eyes - Full Score and Parts Vocal Forces: SATB, Cantor, Solo, Assembly. Accompaniment: Keyboard. Guitar: Yes. Instrumental parts included: C Instrument, Flute I, Flute II, Oboe, ... I Will Lift up Mine Eyes - Marzo, Eduardo Jul 5, 2014 — Marzo, Eduardo - I Will Lift up Mine Eyes Psalm 121. Voice High and ... "For over 20 years we have provided legal access to free sheet music. I Will Lift Up Mine Eyes (Sowerby, Leo) [7 more...]For voice, mixed chorus, organ; Scores featuring the voice; Scores ... Note: I can only provide full works, not arrangements or individual movements. Applied Combinatorics - 6th Edition - Solutions and Answers Find step-by-step solutions and answers to Applied Combinatorics - 9780470458389 ... Applied Combinatorics 6th Edition by Alan Tucker. More textbook info. Alan ... Applied Combinatorics 6th Edition Textbook Solutions Access Applied Combinatorics 6th Edition solutions now. Our solutions are written by Chegg experts so you can be assured of the highest quality! applied combinatorics - Instructional Systems, Inc. ... APPLIED. COMBINATORICS. ALAN TUCKER. SUNY Stony Brook. John Wiley & Sons, Inc ... Elsewhere, results are stated without proof, such as the form of solutions to ... Solutions for Applied Combinatorics 6th Edition by Alan ... Solutions for Applied Combinatorics 6th Edition by Alan Tucker. Does anyone know where to find a solutions manual for the book? I have tried ... Applied Combinatorics 6th Edition Alan Tucker Solutions Applied Combinatorics 6th Edition Alan Tucker Solutions - Free download as Word Doc (.doc / .docx), PDF File (.pdf), Text File (.txt) or read online for ... Applied Combinatorics 6 Edition Alan Tucker Solutions Applied Combinatorics 6th Edition Alan Tucker Solutions... Solution Manual Applied Combinatorics 6th Edition by Alan ... View (Solution Manual)Applied Combinatorics, 6th Edition by Alan Tucker.pdf from AMS 301 at Stony Brook University. Applied Combinatorics solution manual ... Applied Combinatorics 6th Edition Alan Tucker Solutions Page 1. Applied Combinatorics 6th Edition Alan Tucker Solutions. Applied combinatorics alan tucker solutions manual pdf Make these fast steps to edit the PDF Applied combinatorics solutions pdf online free of charge: ... 6th edition solutions manual pdf Applied combinatorics ... Applied Combinatorics by Tucker, Alan The new 6th edition of Applied Combinatorics builds on the previous editions with more in depth analysis of computer systems in order to help develop ... Correctional Officer Test This practice test is divided into three (3) areas: General Knowledge; Basic Skills; and Career-Specific Aptitude on professional standards, facility operations ... Louisiana Correctional Officer Test | Online 2023 ... Study and pass the 2023 Louisiana Correctional Officer Test! Practice questions, flashcards, full-length exams, study guides, and more! Louisiana Correctional Officer Test-2023

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