

# Chemical Formulas And Names Word Search Answers

## [Book] Chemical Formulas And Names Word Search Answers

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## Chemical Formulas And Names Word

### Chemical Names and Formulas

suffix -ic, plus the word acid Acids containing polyatomic ions are named according to the name of the anion Names and Formulas of Bases Bases are named like other ionic compounds The name of a base is the name of the cation followed by the name of the anion (hydroxide)

### Name Chemical Names and Formulas

Chemical Names and Formulas 4 6 2 3 5 1 DIRECTIONS: Write on the line at the right of each statement the letter preceding the word or expression that best completes the statement 1 A chemical formula includes the symbols of the elements in the compound and subscripts that

### Chemical Formulas and Chemical Compounds

element present in a compound Chemical formulas also allow chemists to calculate a number of characteristic values for a given compound In this section, you will learn how to use chemical formulas to calculate the formula mass, the molar mass, and the percentage composition by mass of a compound

### Writing Chemical Names and Formulas - Amazon S3

Writing Chemical Names and Formulas Ionic- contains one metal Naming 1 write the name of the first element -if it is Cu, Fe, Sn, Hg, Pb, or Co use a roman numeral 2 write the name of the second element -if it is a single element change the ending to -ide -if it is a polyatomic ion, copy it exactly off the chart Formula 1 Write the symbol

### SUMMARY OF RULES FOR CHEMICAL NAMES AND FORMULAS

SUMMARY OF RULES FOR CHEMICAL NAMES AND FORMULAS BINARY IONIC COMPOUNDS POLYATOMIC COMPOUNDS ACIDS (Ionic compounds containing H + ions) COVALENT COMPOUNDS HOW TO RECOGNIZE BY NAME No numerical prefixes; second word ends in “-ide” Second word ends in “-ate” or “-ite” (or “hydroxide” or “cyanide”) Includes the word “acid”

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### Chemical Names and Formulas

CHEMICAL NAMES AND FORMULAS Naming Monatomic Ions • Monatomic ions - single atom with a (+) or (-) charge • Cations • Group 1A, 2A, and 3A elements • Name is the same as the metal followed by the word ion or cation • examples • Na<sup>+</sup> - sodium ion or sodium cation • Ca<sup>2+</sup> - calcium ion or calcium cation Naming Monatomic Ions • Anions • Groups 5A, 6A, & 7A • The name is not the same

### Writing & Naming Formulas of Ionic & Covalent Compounds

Chemical Compounds An atom consists of a positively charged nucleus (protons and neutrons) and orbiting electrons Atoms of elements are not chemically stable until they have 8 valence electrons (octet rule) Atoms gain, lose or share electrons with other atoms to become chemically stable (have 8 valence electrons) 8+ Oxygen Atom Six valence

### Common Chemical Formula List

Chemical formulae and equations Derivation of formulae (key points) Chemical Formula Definition: An expression which states the number and type of atoms present in a molecule of a substance Chemical formulas such as HClO<sub>4</sub> can be divided into empirical formula, molecular formula, and structural formula Chemical symbols of elements in the

### Chemical Bonding: Names and Formulas

Chemical Names & Formulas Water Ammonia Methane 2 Why "Systematic Names" ? # atomic particles 3 (p, n, e) # elements 110+ # elements in earth's crust (99%) 8 # elements in all living things 25 # compounds >14,000,000 3 Why "Systematic Names" ? Water H<sub>2</sub>O Lime CaO Lye NaOH Potash K<sub>2</sub>CO<sub>3</sub> Table Salt NaCl Laughing Gas N<sub>2</sub>O Baking Soda NaHCO<sub>3</sub> 4 Atoms and Ions Atom: neutral ...

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### Symbol Shortcuts for Chemistry Students

Symbol Shortcuts for Chemistry Students Inserting non-standard characters (eg, ß<sup>2</sup>) into a document in MS Word can be time consuming, especially when writing a long lab report By using the shortcuts built into Word, such as Unicode, you will be able to speed up this process Shortcuts built into word: Subscript (# 2) Press Ctrl and the + keys

### Naming and Writing Formulas for Acids!

Naming and Writing Formulas for Acids! • 1st -determine if the compound is an acid -a If you are given a formula, is the first element hydrogen? If yes, it's an ACID so follow the acid rules -b If given the name, is the word acid in the name? • Acid Naming Rules • If the ...

### Writing Chemical Formulas and Chemical Reactions

Writing Chemical Formulas and Chemical Reactions Chemical Formula Chemical formulas are a useful way to convey information about a compound such as:  $\frac{3}{4}$  What elements make up the compound  $\frac{3}{4}$  The ratio or number of atoms in the compound The chemical formula has different meanings

depending on the type of intramolecular forces holding

### **Ionic compounds chemical formula Naming and Writing ...**

Chemical Formulas of Ionic Compounds Ionic compounds are composed of a metal and a nonmetal (positive and negative ions) A chemical formula shows the kinds and numbers of atoms in the ionic compound Example: Ionic Compound: Sodium Chloride Chemical Formula  $\text{NaCl} = 1 \text{ Na atom} = \text{metal (+)} = 1 \text{ Cl atom} = \text{nonmetal (-)}$

### **The Chemistry Name Game - American Chemical Society**

The Chemistry Name Game Contributed by Butane: The Carroll College Chemistry Club Main Science Idea for Kids As students play the Chemistry Name Game, they will learn why compounds form as they do They will also learn how to correctly name chemical compounds and write chemical formulas Grade Level 8th grade through high school

### **Chemical Conversions and Problems**

Chemical Quantity Conversions Conversions between different units of chemical quantities are a very important part of chemistry The conversions you will encounter the most will be those between grams, moles, numbers of molecules, and numbers of atoms The mole is a central unit of quantity in

### **Chemical Names and Formulas - Dr. Hall's Science Site**

CHEMICAL FORMULAS Definition Writing Formulas from Names • 1st word = CATION • 2nd word = ANION name with ide ending BINARY IONIC COMPOUNDS  $\text{NaBr}$   $\text{MgF}_2$  Sodium Bromide Magnesium Fluoride BINARY IONIC COMPOUNDS Potassium Chloride Aluminum Oxide • notice ending of name is ide!  $\text{K} + \text{Cl} \rightarrow \text{KCl}$   $\text{Al}_2\text{O}_3$   $2\text{Al} + 3\text{O}_2 \rightarrow \text{Al}_2\text{O}_3$  Polyatomic Ions Definition • tightly bound groups of atoms ...

### **Section Name Date 4.3 Chemical Equations**

Write a word equation: The simplest form of a chemical equation is a word equation A word equation provides the names of the reactants and products in a chemical reaction It provides the starting point for writing and balancing chemical equations word equation: methane + oxygen  $\rightarrow$  water + carbon dioxide 2

### **Word Equations - VCC Library**

Word Equations In a chemical equation, substances are represented by their chemical formulas In a word equation, substances are represented in words, using the proper nomenclature An arrow ( $\rightarrow$ ) shows the progression from reactants to products The  $\Delta$  symbol in  $\square \rightarrow \square + \Delta$  means that heat must be applied to initiate the reaction A plus sign