

## *Nomenclature 6 Binary Covalent Compounds Answer Key*

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**Nomenclature 6 Binary Covalent Compounds**

Binary covalent compounds are compounds made up of only two elements, such as carbon dioxide. Prefixes are used in the names of binary compounds to indicate the number of atoms of each nonmetal present.

**How to Name Binary Covalent Compounds - dummies**

Write the name of each binary covalent compound. SF<sub>6</sub>; N<sub>2</sub>O<sub>4</sub>; ClO<sub>2</sub>; Given: molecular formula. Asked for: name of compound. Strategy: A List the elements in order according to their positions in the periodic table.

**3.6: Naming Covalent Compounds - Chemistry LibreTexts**

Nomenclature of Ionic and Covalent Compounds. Binary Ionic Compounds Containing a Metal and a Nonmetal. A binary compound is a compound formed from two different elements. There may or may not be more than one of each element. A diatomic compound (or diatomic molecule) contains two atoms, which may or may not be the same.

**Formulas and Nomenclature of Ionic and Covalent Compounds**

Rules of Binary Covalent Nomenclature. The naming system is for compounds composed of two nonmetallic elements. The first element keeps its name. The first element gets a prefix if it has a subscript in the formula. The second element gets the -ide suffix (ending) The second element ALWAYS gets a prefix.

**Binary Covalent Nomenclature - ScienceGeek.net**

Organic compounds are compounds with carbon atoms and are named by a separate nomenclature system.. Some Compounds Have Both Covalent and Ionic Bonds If you recall the introduction of polyatomic ions, you will remember that the bonds that hold the polyatomic ions together are covalent bonds.

**5.8: Naming Molecular Compounds - Chemistry LibreTexts**

Nomenclature Worksheet 6: Binary Covalent Compounds Please complete the following table: Name of Covalent Compound 1. carbon dioxide 2. phosphorus triiodide 3. sulfur dichloride 4. nitrogen trifluoride 5. dioxxygen difluoride Formula of Covalent Compound 16. N<sub>2</sub>F<sub>4</sub> 7. SCl<sub>2</sub> 8. ClF<sub>3</sub> 9. SiO<sub>2</sub> 10. P<sub>4</sub>O<sub>10</sub>

**Nomenclature Worksheet 5: Ionic Compounds Summary**

Binary covalent compounds—that is, covalent compounds that contain only two elements—are named using a procedure similar to that used to name simple ionic compounds, but prefixes are added as needed to indicate the number of atoms of each kind.

**Naming Covalent Compounds - users.highland.edu**

Rules for Naming Binary Covalent Compounds A binary covalent compound is composed of two different elements (usually nonmetals). For example, a molecule of chlorine trifluoride, ClF<sub>3</sub> contains 1 atom of chlorine and 3 atoms of fluorine.

**Nomenclature of Binary Covalent Compounds**

Naming Covalent Compounds - Key. Write the formulas for the following covalent compounds: 1) Nitrogen tribromide NBr<sub>3</sub>. 2) hexaboron silicide B<sub>6</sub>Si 3) chlorine dioxide ClO<sub>2</sub>.

**Naming Covalent Compounds Worksheet**

Rules for Naming Binary Covalent Compounds. A binary covalent compound is composed of two different nonmetal elements. For example, a molecule of chlorine trifluoride, ClF<sub>3</sub> contains 1 atom of chlorine and 3 atoms of fluorine. The element with the lower group number is written first in the name; the element with the higher group number is written second in the name.

**Nomenclature of Binary Covalent Compounds**

Naming covalent compounds with three elements follows these similar rules. As you would in the other cases, specify the formula, charge and number of each ion. For example, lithium hydrogen phosphate contains three elements: lithium, which is a cation, and hydrogen phosphate.

### **How to Name Covalent Compounds | Sciencing**

We'll learn how to write names for compounds that are made of two nonmetals, sometimes called binary compounds. Binary compounds made of two nonmetals are called covalent or molecular because the ...

### **Naming Covalent Molecular Compounds**

Covalent Compound Names Quiz You got: % Correct. Competent at Naming Covalent Compounds PASIEKA / Getty Images Nice work! You're comfortable naming covalent or molecular compounds and writing their formulas. If you're unsure of yourself, you can review the nomenclature rules and prefixes for covalent compounds.

### **Covalent Compound Names Quiz - ThoughtCo**

Nomenclature Worksheet 6: Binary Covalent Compounds Please complete the following table: 6. 8, 9. Formula of Covalent Compound compound N<sub>2</sub>F<sub>4</sub> SC<sub>14</sub> ClF<sub>3</sub>

### **www.hudson.k12.oh.us**

Worksheet 3: Binary Covalent Compounds 1. Name the following covalent compounds: a. CO Carbon monoxide b. CO<sub>2</sub> Carbon dioxide c. NO Nitrogen monoxide d. NO<sub>2</sub> Nitrogen dioxide e. SF<sub>6</sub> Sulfur hexafluoride f. SiF<sub>4</sub> Silicon tetrafluoride g. N<sub>2</sub>S<sub>3</sub> Dinitrogen trisulfide h. B<sub>2</sub>H<sub>6</sub> Diboron hexahydride i. SO<sub>2</sub> Sulfur dioxide j. CH<sub>4</sub> Carbon ...

### **Nomenclature Packet - Mr. Midtgard's Chemistry Class**

Yes No. Binary Covalent (Molecular) Compound: 1) Write the symbol of the first element in the compound's name, then the symbol of the second element in the compound's name. 2) Indicate how many atoms of each element the molecule contains using subscripts after the atomic symbol.

### **Binary Covalent Ionic only - Saddleback College**

Nomenclature of Simple Covalent Compounds Covalent compounds are compounds formed between non-metals only. Simple binary covalent compounds contain just two different types of non-metal elements. When non-metals combine they can form several different covalent compounds. These compounds must therefore be identified with unique names and formulas.

### **Nomenclature of Ionic Compounds - Santa Monica College**

Naming Covalent Compounds Solutions Write the formulas for the following covalent compounds: 1) antimony tribromide SbBr<sub>3</sub> 2) hexaboron silicide B<sub>6</sub>Si 3) chlorine dioxide ClO<sub>2</sub> 4) hydrogen iodide HI 5) iodine pentafluoride IF<sub>5</sub> 6) dinitrogen trioxide N<sub>2</sub>O<sub>3</sub> 7) ammonia NH<sub>3</sub> 8) phosphorus triiodide PI<sub>3</sub> Write the names for the following covalent compounds:

### **Covalent Compound Naming Worksheet**

Naming Covalent Compounds Naming Binary Ionic Compounds Polyatomic Ions Naming with Polyatomic Ions Naming with Roman Numerals Formula Writing Naming Acids . Naming Binary Covalent Compounds . Rules. 1. The first element is named first, using the element's name. 2. Second element is named as an Anion (suffix "-ide")

### **Naming Binary Covalent Compounds - AP Chemistry**

Chapter 6 Ionic and Covalent Compound Naming (Practice Quiz) (with oxidation numbers and correct subscript latex codes) Take and pass with 70% for 5 point bonus on your test.

## Nomenclature 6 Binary Covalent Compounds Answer Key

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