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Ionic Compounds Containing Polyatomic Ions

Indeed, most ionic compounds contain polyatomic ions. Well-known examples are sodium hydroxide (NaOH) with OH^- as the polyatomic anion, calcium carbonate (CaCO_3), and ammonium nitrate (NH_4NO_3), which contains two polyatomic ions: NH_4^+ and NO_3^- . A list

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of the more important polyatomic ions is given in the following table, which can be used for reference while learning the charges of polyatomic ions.

6.18: Ionic Compounds Containing Polyatomic Ions ...

In this article, we will discuss polyatomic ions. The prefix poly- means many, so a

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polyatomic ion is an ion that contains more than one atom. This differentiates polyatomic ions from monatomic ions, which contain only one atom. Examples of monatomic ions include. Na^+ .

Polyatomic ions & Common polyatomic ions (article) | Khan ...

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In chemical compound: Ionic compounds containing polyatomic ions A special type of ionic compound is exemplified by ammonium nitrate (NH_4NO_3), which contains two polyatomic ions, NH_4^+ and NO_3^- . As the name suggests, a polyatomic ion is a charged entity composed of several atoms bound together. Polyatomic ions have special

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names that...

Polyatomic ion | chemistry | Britannica

Rules for Naming Ionic Compounds
Containing Polyatomic Ions Polyatomic
ions are ions which consist of more than
one atom. For example, nitrate ion,
 NO_3^- , contains one nitrogen atom and

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three oxygen atoms. The atoms in a polyatomic ion are usually covalently bonded to one another, and therefore stay together as a single, charged unit.

Ionic Compounds Containing Polyatomic Ions

Many ionic compounds contain polyatomic ions (Table 1 and Table 2) as

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the cation, the anion, or both. As with simple ionic compounds, these compounds must also be electrically neutral, so their formulas can be predicted by treating the polyatomic ions as discrete units.

Polyatomic Ions (M2Q6) - UW-Madison Chemistry 103/104 ...

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Rules for Naming Ionic Compounds
Containing Polyatomic Ions: Polyatomic ions are ions which consist of more than one atom. For example, nitrate ion, NO_3^- , contains one nitrogen atom and three oxygen atoms. The atoms in a polyatomic ion are usually covalently bonded to one another, and therefore stay together as a single, charged unit.

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Rule 1.

Rules for Naming Ionic Compounds Containing Polyatomic Ions

Ask which of the Polyatomic ions you need to memorize and if you'll be able to use the list of the ions on an exam.

Remember also, when writing formulas for ionic compounds with Polyatomic

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ions it is necessary to balance the charges between the metal and a Polyatomic ion. For help memorizing polyatomic ions watch this video.

How to Write Formulas for Ionic Compounds with Polyatomic Ions

The rule for constructing formulas for ionic compounds containing polyatomic

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ions is the same as for formulas containing monatomic (single-atom) ions: the positive and negative charges must balance. If more than one of a particular polyatomic ion is needed to balance the charge, the entire formula for the polyatomic ion must be enclosed in parentheses, and the numerical subscript is placed outside the

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parentheses.

4.5: Writing Formulas for Ionic Compounds - Chemistry ...

Nomenclature Worksheet 3: Ionic
Compounds Containing Polyatomic Ions
Please complete the following table:
Formula of Ionic Compound C (Is ClO

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Hudson City Schools / Homepage

Naming Ionic Compounds with Polyatomic Ions. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. susan_marcantoni
TEACHER. Naming ionic compounds with Polyatomic Ions and metals with fixed charges only. No transition metals. Terms in this set (179) Ammonium

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Hydroxide. NH_4OH . Sodium Hydroxide.
 NaOH .

Naming Ionic Compounds with Polyatomic Ions Flashcards ...

When you write the formula for an ionic compound, remember that the positive ion is always listed first. When there are two or more polyatomic ions in a

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formula, enclose the polyatomic ion in parentheses. Write down the information you have for the charges of the component ions and balance them to answer the problem.

Predicting Formulas of Compounds with Polyatomic Ions

Let's make this super easy! This video

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breaks down what you need to know to pass your next chemistry test on naming compounds with polyatomic ions. Plus I'll...

Naming Compounds with Polyatomic Ions - YouTube

To see all my Chemistry videos, check out <http://socratic.org/chemistry> Here's

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how to write formulas for ionic compounds that contain polyatomic ions. In order to...

Writing Formulas with Polyatomic Ions - YouTube

A polyatomic ionic compound is a compound made up of a polyatomic ion, which is two or more atoms bonded

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together, and a metal. Naming polyatomic ions is harder, but doable. First, name the cation, which is just the name of the element. Next, name the anion.

Naming Ionic Compounds: Simple Binary, Transition Metal ...

Polyatomic Ionic Compound Sulfuric Acid

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Many common chemicals are polyatomic compounds and contain polyatomic ions. For example, sulfuric acid, with the chemical formula H_2SO_4 , contains hydrogen ions and the polyatomic sulfate anion SO_4^{2-} .

What is a Polyatomic Ion? | Sciencing

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Name each of the following ionic compounds containing a polyatomic ion.

A) $\text{Ba}(\text{NO}_3)_2$ B) $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$ C) NH_4I D)
 KClO_3

05 Chapter HW Flashcards | Quizlet

Naming Ionic Compounds with Polyatomic Ions DRAFT. 9th - 12th grade. 118 times. Chemistry. 74% average

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accuracy. 9 months ago.

keely_chaisson_12165. 0. Save. Edit.

Edit. ... multiply any subscripts on the polyatomic ion by the subscript you are adding. put brackets around the polyatomic ion before adding a subscript

...

Naming Ionic Compounds with

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Polyatomic Ions Quiz - Quizizz

One more set of polyatomic ions to know. So we have CrO_4^{2-} , which is called Chromate. And if we have two Chromiums, so $\text{Cr}_2\text{O}_7^{2-}$ this is called Dichromate. Next, $\text{C}_2\text{O}_4^{2-}$ is called the Oxalate ion. and we have O_2^{2-} is called Peroxide.

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