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Naming multivalent compounds worksheet

Ionic binary composed with multi-purpose metals Some metals can form more than a type of ion. Ã‚ â ¢ such metals are called multi-purpose metals. Ã‚ â ¢ For example, copper can form ions with 1+ or 2+ charge, as shown on Ã‚ â ¢ periodic ion table. Question: Name Some other multi-purpose metals, beyond copper. _____ Question: Where on the periodic table do you find these multi-purpose metals? _____ To distinguish between ions, a Roman number is written after the metal name. For example, Cu + is written as copper (i), pronounced one â ¢ copper one.Ã‚ 2 + cu is written as copper (ii), pronounced one of copper two.Ã‚ â ¢ â ¢ Chemical formulas and names of ionic compounds containing metal multivalent write the chemical formula of a multi-purpose metal, follow the process Ã‚ â ¢ same as for the binary ionic compounds you are naming so far.The unique difference is that you can't Saying the charge on the metal Ã‚ â ¢ ion ion, looking at periodic table because there will be no more than a choice. Instead, look at the Roman number in the name, which will tell you the Charge.Question: what are the Roman numerals for 8, 9 and 10? _____ Page 2 Example: Chromium name (III) chloride tells you that the chrome ion in the mixture is CR3 + . The chloride ion is cl-. For a neutral compound, there must be three chlorine ions for every chrome ion, so the formula is CRCL .3 Question: Write the formulas: a) of copper (ii) chlorideb) of lead (iv) iodide when the denomination a compound That contains a multi-purpose ion, you need to include a ¢ Roman number to show which charge the ion has. The charge of the negative ion can help determine the charge of your positive Ã‚ â ¢ ion question: Write the chemical names for: a) niCl _____ 3 b) mno 2 If you are seeing this message, it means that 'king disposing External resources of difficulty loading on our website. If you are behind a web filter, make sure that the domains * .kastatic.org and * .kasandbox.org are unlocked. 0 ratings0% has found this useful document (0 votes) page 205 views1, Active naming and formulas: multi-purpose metal compounds and acid lesson This is an active learning lesson centered on the student, without lesson or take notes! Note: This lesson presupposes a basic knowledge of how to give a name and write formulas for main binary element and molecular ion compounds. The following lessons are recommended before teaching this lesson. Naming and formulas: simple ionic and covalent compound naming and formulas: polyatomic compound ions and moisturizes You may also be interested in this related lesson Introduction to formulas (free) Texas Chimica Standards (TEKS) C.7.A: The student is scheduled for name Ionic compounds containing a | transition metals. Ã‚ | acids a | Using international union of pure and applied chemical rules (IUPAC) nomenclature. C.7.B: The student is required to write common molecular ion chemical formulas, ionic compounds containing metalsa transition group | acidsÃ‚ ¢ | ******************** ******************************** ******************** ******** Summary of the lesson: This guided inquiry lesson allows students to be able to build their own understanding of how to give A name and write formulas for multi-purpose metal compounds and acids. Students are able to actively learn the material without lesson or take notes. Multivalent metal compounds Part 1: Naming Metal compounds Metal compounds Ãƒ â ¢ Students observe a table of multi-purpose metallic formulas composed, ion charges, and names. They discover that Roman numerals in compound names The charges of the cations. Ãƒ â ¢ Students use a model to learn to calculate charging numbers on cations. Ã‚ â ¢ students use a graph for practicing denomination denomination Multivalent metals. Part 2: Motorment Metal Formulas Writing Ã‚ â,¬ â ¢ Students use a chart to writing compound formulas containing multillanes metals. Students should already be familiar with how to write the formulas of the binary and polatomic ionic compounds main elements. Acids appointing acid compounds Ã‚ â,¬ â ¢ Students compare the formulas, names anions and the names composed of different acids. They discover that the name of acid is determined by the suffix in the name of the anion. Ã‚ â,¬ â ¢ Students produce a series of acid formula cards in three groups based on the name of the anion in the formula. Students therefore practice the denomination of the three groups of acids using appropriate predictors and / or suffixes. Write acid formulas Ã‚ â,¬ â ¢ Students use a chart to practice identification anion formulas and write acid formulas. Students should already be familiar with how to write the formulas of the binary and polatomic ionic compounds main elements. The metal / acid multivalent task cards use the activity cards to practice the denomination and writing of compound formulas and metal acids multivalent. Student students students are equipped with a student study sheet that summarize all important concepts and vocabulary in this lesson. ****************************** ************************************* ************* Learning objectives (BLOOM magazine taxonomy): Ã‚ â,¬ â ¢ Remembering: explaining the following terms: Mounted Metal, Acid Formula. Ã‚ â,¬ â ¢ Understanding: Report the name of the anion in the formula of an acid to the prefixes and / or suffixed used in the name of acid. Ã‚ â,¬ â ¢ Application: Write the names of the compounds and metal metal acids when the formulas are provided. Write the formulas for multi-purpose metal compounds and acids when given the names. Ã‚ â,¬ â ¢ Analysis: Determine the charge number of multivalent metals. Ã‚ â,¬ â ¢ Evaluate: discussing why it is important to determine the accusations of the Multivalent metals when writing the names of the MultiMalent metal compounds. Discuss why it is important to determine the types of anions in the acid formulas when writing the names of acid compounds. ********************** ********** *********** ************************** Included in this download: Ã‚ â,¬ Ã ¢ Cover (1 page) Ã‚ â,¬ â ¢ Inquiry guided lesson (10 pages) Ã‚ â,¬ â ¢ Motoring metal cards (4 pages) Ã‚ â,¬ ¢ Acid cards (3 pages) Ã‚ â,¬ â ¢ Activity cards (color) Ã‚ â,¬ "6 versions (18 pages) Ã‚ â,¬ â € ¢ Answers of activity (3 pages) is Ã‚ â,¬ â ¢ Handout (1 Page) Ã‚ â,¬ â ¢ Student study card (1 page) Ã‚ â,¬ â ¢ notes for teachers (2 pages) Ã‚ â,¬ â ¢ Guided inquiry lesson with suggested answers (10 pages) *************** ************************************ ************* ****************************** ************** Tips for the customer: how to get the TPT credit To be used on future purchases: Ã‚ â,¬ â ¢ Go to your page of my purchases (you may need to log in). Next to each purchase you will see a button you see a feedback. Just click and you will be brought to a page You can give a rapid evaluation and leave a brief comment for the product. Every time you provide feedback, TPT gives you feedback credits you use to lower the cost of your future purchases. I really appreciate your feedback as it helps me to determine which products are more valuable for your class so you can create more for you. Be the first to get to know my new discounts, gifts and product launches: Ã‚ â,¬ â ¢ Look at the green star next to my logo of my store and click to become a follower. There! You will now receive email updates on this store. Ã‚ , Ã‚ , ~ ************************* ** ************************** Shop of the Kendo Kendo chemistry