

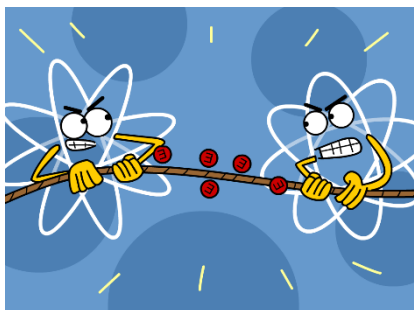
Name: _____
TA: _____

Date: _____

Science 9
Chemistry

Ionic Compounds Assignment

Objective: To understand and explain how to name and create formulas for ionic compounds.



We have discovered how ionic bonds can occur between elements to create strong compounds found in everyday life. We have also investigated how they are systematically named and noted as a formula. In this assignment, you will be able to demonstrate your knowledge of these bonds and compounds through an assignment of your choice.

Guidelines:

- Please be sure to include:
 - What is an ion?
 - What is an ion charge?
 - Include details about valence electrons (how are valence electrons involved with creating ionic compounds?)
 - What types of elements make an ionic compound?
 - What are some properties of ionic compounds?
 - How do you name an ionic compound. This must include:
 - The basics of naming ionic compounds
 - The basics of making formulas for ionic compounds
 - How to name and create formulas when a multivalent element is involved
 - How to name and create formulas when a polyatomic ion is involved
 - Be sure to include an example of an ionic compound we see in everyday life

You have a choice of assignment type you would like to complete. These assignment options include but are not limited to:

- Brochure: Create a brochure that illustrates the concepts of this assignment.
- Poster: Use a poster paper to demonstrate and illustrate the concepts of this assignment.
- Storybook: A storybook must include characters, a story, and a theme to the plot. Be sure to include a picture for each page of your storybook.
- Comic book: Comic books should include characters, a story, and a central theme to the plot. Be sure to include a picture for each panel of the comic.
- Song/rap: Songs/raps need to include a melody. Be sure that it is creative and that it does not just rap/sing the definitions and explanations of the concepts. When submitting the assignment, please record the song/rap and provide a copy of the lyrics available.
- Video: Create a video that demonstrates the concepts. Be sure that it is creative and that it does not just involve you standing in front of the camera reciting the definitions/explanations of the concepts.
- Stop Motion Video: create a video using objects to demonstrate the concepts in a stop motion video. You can use the app Stop Motion Studio (the free version!)
- If you have another creative idea of your own, please get it approved from your teacher!

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Be sure to edit and review your work for proper grammar and spelling. BE CREATIVE 😊

Assignment Rubric:

	<i>Emerging</i>	<i>Developing</i>	<i>Proficient</i>	<i>Extending</i>
Ionic Compounds	Explanation /demonstration of ionic compounds is unclear and inaccurate.	Explanations/ demonstrations of ionic compounds are very simple and has missed key pieces of information.	There are a few mistakes made when explaining/ demonstrating ionic compounds, though it is mostly accurate.	Explanation /demonstration of ionic compounds is clear, detailed, sophisticated, and accurate.