

## Unit 7: Chemical Formulas and Compounds Guided Notes

### I. Ch. 7.1: Naming Ionic Compounds

#### A. Warm Up:

1. Distinguish between a cation and an anion.
2. Which elements tend to form cations? anions?
3. Using a periodic table, predict the charge ion each of the following elements form:
  - a) calcium c) sulfur
  - b) fluorine d) aluminum

#### B. Writing Formulas and Naming Chemical Compounds

1. There are two types of chemical compounds:
  - a) ionic compounds
  - b) covalent (molecular) compounds

#### C. Ionic Compounds are composed of a cation and an anion.

1. cations – positively charged ion (\_\_\_\_\_)
2. anions – negatively charged ion (\_\_\_\_\_)
3. Monoatomic ions
  - a) Cations
    - (1) For monatomic cations, the name of the ion is the name of the element.
    - (2) examples:
      - (a)  $\text{Na}^+$  = \_\_\_\_\_
      - (b)  $\text{Mg}^{2+}$  = \_\_\_\_\_
      - (c)  $\text{Al}^{3+}$  = \_\_\_\_\_
  - b) Some metals are able to form more than one stable ion (\_\_\_\_\_)
    - (1) usually transition elements
    - (2) example: \_\_\_\_\_
    - (3) forms  $\text{Cu}^{2+}$  and  $\text{Cu}^+$
    - (4) use Roman numerals to distinguish charge
    - (5) copper (II) and copper (I)

# Guided And Study Chemical Names Formulas

**RJ Alexander**



## **Guided And Study Chemical Names Formulas:**

## The Enigmatic Realm of **Guided And Study Chemical Names Formulas**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Guided And Study Chemical Names Formulas** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of people who partake in its reading experience.

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