# Polyatomic Ions

Can a group of atoms have a charge?

# Why?

Do you know you eat a lot of "-ates"? Next time you look at a food label, read the ingredients and you will likely find a number of ingredients that end with "-ate," such as sodium phosphate or calcium carbonate. Did you ever wonder what the chemical formulas of these ingredients look like? In this activity we will explore polyatomic ions, which are groups of atoms that carry a charge. These ions are found in our food ingredients, natural waterways, and many other chemical compounds you encounter every day.

# Model 1 - Types of Ions

Monatomic Ions	Nitride N	Sulfide S	Chloride Cl)1-	
Polyatomic	Nitrate	Sulfate	Ammonium H N H	
Ions	Nitrite Nitrite	Sulfite	Hydroxide	

1. Use Model 1 to complete the table below.

Name of-lon	Nitride	Nitrate	Sulfate	Sulfite	Ammonium
Charge on Ion	-3	-1	-2	-2	+1
Type and Number of Atoms	I nitrogen	1 nitrogen 3 oxygen	1 sulfur 4 oxygen	1 sulfur 3 oxygen	1 nitrogen 4 hydrogen
Chemical Formula	N³-	NO,1-	SO <sub>4</sub> 2	SO,2-	NH,'·

# Polyatomic Ions Pogil Activities For High School Chemistry Answers

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**Polyatomic Ions Pogil Activities For High School Chemistry Answers:** 

The Enigmatic Realm of **Polyatomic Ions Pogil Activities For High School Chemistry Answers**: 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 in short supply of extraordinary. Within the captivating pages of **Polyatomic Ions Pogil Activities For High School Chemistry Answers** a literary masterpiece penned by way of a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

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