

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 	Sulfide 	Chloride 
Polyatomic Ions	Nitrate 	Sulfate 	Ammonium 
	Nitrite 	Sulfite 	Hydroxide 

1. Use Model 1 to complete the table below.

Name of Ion	Nitride	Nitrate	Sulfate	Sulfite	Ammonium
Charge on Ion	-3	-1	-2	-2	+1
Type and Number of Atoms	1 nitrogen	1 nitrogen 3 oxygen	1 sulfur 4 oxygen	1 sulfur 3 oxygen	1 nitrogen 4 hydrogen
Chemical Formula	N^{3-}	NO_3^{1-}	SO_4^{2-}	SO_3^{2-}	NH_4^{1+}

Polyatomic Ions Pogil Activities For High School Chemistry

Yicheng Fang



Polyatomic Ions Pogil Activities For High School Chemistry:

Unveiling the Energy of Verbal Beauty: An Emotional Sojourn through **Polyatomic Ions Pogil Activities For High School Chemistry**

In some sort of inundated with monitors and the cacophony of quick connection, the profound energy and psychological resonance of verbal artistry often disappear in to obscurity, eclipsed by the continuous onslaught of sound and distractions. However, nestled within the lyrical pages of **Polyatomic Ions Pogil Activities For High School Chemistry**, a fascinating function of literary splendor that impulses with fresh emotions, lies an unforgettable trip waiting to be embarked upon. Composed by way of a virtuoso wordsmith, that magical opus instructions viewers on a psychological odyssey, delicately revealing the latent possible and profound affect embedded within the complex web of language. Within the heart-wrenching expanse of the evocative examination, we can embark upon an introspective exploration of the book is central themes, dissect its charming writing fashion, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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