

Polyatomic Compounds Quiz PDF

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Which of the following compounds contain polyatomic ions?
 □ NaCl □ CaSO₄ □ NH₄Cl □ H₂O
Describe the process of naming a compound that contains a polyatomic ion. Include an example in your explanation.
What is the name of the polyatomic ion NH, †?
○ Ammonium
○ Nitrate
○ Nitrite
○ Hydroxide
Which of the following are correct chemical formulas for compounds containing polyatomic ions?
☐ NaNO₃
□ KCIO₄
☐ MgSO ₃
Discuss the role of polyatomic compounds in agriculture. Provide examples of specific compounds

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and their uses.



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What is the correct formula for calcium phosphate?	
$\bigcirc \operatorname{Ca_3(PO_4)_2}$	
○ CaPO ₄	
○ Ca₂PO₄	
○ Ca ₃ P ₂	
Which of the following naming conventions are correct for polyatomic ions?	
Sulfate ends in "-ate"	
☐ Nitrate ends in "-ite"	
☐ Phosphate ends in "-ate"	
☐ Hypochlorite ends in "-ite"	
Analyze the impact of polyatomic compounds in the medical field. How do they contribute to healthcare and medicine?	
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Which of the following is a common use of ammonium nitrate?	
Fertilizer	
Plastic production Antacid	
Food preservative	
O 1 ood procervative	

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Which of the following polyatomic ions contain oxygen?



□ NO₂ · □ CIO₃ · Evaluate the environmental implications of using polyatomic compounds in industry. What potential benefits and drawbacks?	
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What is the charge on a phosphate ion (PO₄)?	
<u> </u>	
○ 2- ○ 3-	
○ 4-	
Which of the following are correct names for the given polyatomic ions?	
NO ₃ · is nitrate	
SO ₃ ²⁻ is sulfite	
\square CIO ₄ is perchlorate \square PO ₄ s. is phosphite	
4	
Create a balanced chemical equation for the reaction between sodium hydroxide and sulf Explain the role of polyatomic ions in this reaction.	furic acid.

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Which of the following compounds is used in the production of glass?
○ Sodium carbonate
○ Calcium sulfate
O Ammonium chloride
O Potassium nitrate
Which of the following compounds are typically used in household cleaning products?
☐ Sodium bicarbonate
Calcium carbonate
Ammonium hydroxide
Magnesium sulfate
Discuss how the structure of polyatomic ions affects their chemical reactivity and stability. Provide examples to support your explanation.
What is the name of the polyatomic ion CIO ₃ ⁻ ?
○ Chlorate
Chlorite
O Hypochlorite
Perchlorate