



Naming Ws #6: Naming Acids



Acids are named according to the ending of the anion used to form the acid.

Example

Anion Ending: Change To:
 -ide Hydro _____ic Acid
 -ite _____ous Acid
 -ate _____ic Acid

Acid	Anion formula	Anion Name	Acid Name
HCl	Cl ⁻	Chloride	Hydrochloric Acid
HClO ₂	ClO ₂ ⁻	Chlorite	Chlorous Acid
HClO ₃	ClO ₃ ⁻	Chlorate	Chloric Acid

A) Complete the chart

	Acid Formula	Anion Formula	Name of Anion	Acid Name
1.	HF			
2.	H ₂ SO ₄			
3.	HBr			
4.	HC ₂ H ₃ O ₂			
5.	H ₂ S			
6.	HNO ₂			

B) Write the formulas of the acids.

C) Name the acids.

	Acid Name	Formula
7.	nitric acid	
8.	hydrochloric acid	
9.	acetic acid	
10.	hydrofluoric acid	
11.	phosphorous acid	
12.	carbonic acid	
13.	nitrous acid	
14.	phosphoric acid	
15.	hydrosulfuric acid	

	Formula	Acid Name
16.	HNO ₃	
17.	H ₂ SO ₄	
18.	H ₂ SO ₃	
19.	HC ₂ H ₃ O ₂	
20.	HBr	
21.	HNO ₂	
22.	HClO	
23.	H ₂ CO ₃	
24.	HCl	