

WKS – Chem Honors
Acids, Naming & Formulas

NAME _____
Period _____ **Date** _____

1. What is an acid? How does it differ from a non-acidic covalent compound?
2. What is a binary acid? What are the rules for naming binary acids?
3. What is an oxyacid? What are the rules for naming oxyacids?

In the table below, determine the formula of the name of the acid from the formula. From the formula, first write the formula of the anion, then determine the anion name finally the acid name.

Formula	Anion Formula	Anion Name	Acid Name
4. HClO			
5. HF			
6. H ₃ PO ₄			
7. H ₂ CO ₃			
8. H ₂ C ₂ O ₄			
9. H ₂ Te			

In the table below, determine the formula of the acid from its name. Determine the anion name first, then write the anion formula, and finally add enough H⁺ ions to equalize charge.

Name	Anion Name	Anion Formula	Acid Formula
10. bromous acid			
11. hydroiodic acid			
12. sulfuric acid			
13. hydroselenic acid			
14. acetic acid			
15. chromic acid			