

Acids and Bases Nomenclature Worksheet

Name _____

Write the formula for each of the acids listed below:

1. Nitric acid	
2. Chloric acid	
3. Acetic acid	
4. Hydrobromic acid	
5. Sulfurous acid	
6. Chlorous acid	
7. Hydrochloric acid	
8. Phosphoric acid	
9. Nitrous acid	
10. Hydrofluoric acid	
11. Perchloric acid	
12. Hydroiodic acid	
13. Phosphorous acid	
14. Carbonic acid	
15. Sulfuric acid	

Name each of the following acids:

16. HClO_4	
17. H_3PO_4	
18. $\text{HCl}_{(\text{aq})}$	
19. H_2SO_4	
20. HNO_2	
21. $\text{HI}_{(\text{aq})}$	
22. $\text{HC}_2\text{H}_3\text{O}_2$	
23. $\text{HF}_{(\text{aq})}$	
24. H_3PO_3	
25. HClO_3	
26. H_2CO_3	
27. H_2SO_3	
28. HClO_2	
29. HNO_3	
30. $\text{HBr}_{(\text{aq})}$	

For the following bases, write the respective chemical formula or its name

31. NaOH	
32.	Magnesium hydroxide
33.	Ammonium hydroxide
34. $\text{Ca}(\text{OH})_2$	

Write the formula for each of the acids listed below:

1. Nitric acid	HNO ₃
2. Chloric acid	HClO ₃
3. Acetic acid	HC ₂ H ₃ O ₂
4. Hydrobromic acid	HBr
5. Sulfurous acid	H ₂ SO ₃
6. Chlorous acid	HClO ₂
7. Hydrochloric acid	HCl
8. Phosphoric acid	H ₃ PO ₄
9. Nitrous acid	HNO ₂
10. Hydrofluoric acid	HF
11. Perchloric acid	HClO ₄
12. Hydroiodic acid	HI
13. Phosphorous acid	H ₃ PO ₃
14. Carbonic acid	H ₂ CO ₃
15. Sulfuric acid	H ₂ SO ₄

Name each of the following acids:

16. HClO ₄	Perchloric acid
17. H ₃ PO ₄	Phosphoric acid
18. HCl _(aq)	Hydrochloric acid
19. H ₂ SO ₄	Sulfuric acid
20. HNO ₂	Nitrous acid
21. HI _(aq)	Hydroiodic acid
22. HC ₂ H ₃ O ₂	Acetic acid
23. HF _(aq)	Hydrofluoric acid
24. H ₃ PO ₃	Phosphorous acid
25. HClO ₃	Chloric acid
26. H ₂ CO ₃	Carbonic acid
27. H ₂ SO ₃	Sulfurous acid
28. HClO ₂	Chlorous acid
29. HNO ₃	Nitric acid
30. HBr _(aq)	Hydrobromic acid

For the following bases, write the respective chemical formula or its name

31. NaOH	Sodium hydroxide
32. Mg(OH) ₂	Magnesium hydroxide
33. NH ₄ OH	Ammonium hydroxide
34. Ca(OH) ₂	