

Name: _____

Nomenclature Test

Give the appropriate chemical formula for each name:

1. Hydrogen Chloride	HCl
2. Potassium Bromide	KBr
3. Argon	Ar
4. Hydrogen Oxide	H ₂ O
5. Zinc Sulphide	ZnS
6. Mercurous Chloride	HgCl
7. Carbon(IV) Sulphide	CS ₂
8. Uranium(VI) Oxide	UO ₃
9. Ferric Oxide	Fe ₂ O ₃
10. Antimony (V) Chloride	SbCl ₅
11. Sulphur(VI) Oxide	SO ₃
12. Silver Nitrate	AgNO ₃
13. Aluminum Iodate	Al(IO ₃) ₃
14. Nitrogen(II) Oxide	NO
15. Hydrosulphuric Acid	H ₂ S (aq)
31. Chlorous Acid	HClO ₂ (aq)
32. Hydrochloric Acid	HCl (aq)
33. Perchloric Acid	HClO ₄ (aq)
34. Lead(II) Phosphite	Pb ₃ (PO ₃) ₂
35. Ammonium Nitrate	NH ₄ NO ₃
36. Sodium Bicarbonate	NaHCO ₃
37. Hydrogen Peroxide	H ₂ O ₂
38. Sodium Peroxide	Na ₂ O ₂
39. Carbon Dioxide	CO ₂
40. Carbon Monoxide	CO

16. Barium Chloride	BaCl ₂
17. Lithium Chloride	LiCl
18. Nitrogen Gas	N ₂
19. Lithium Hydride	LiH
20. Mercuric Chloride	HgCl ₂
21. Chromium(VI) Oxide	CrO ₃
22. Antimonous Oxide	Sb ₂ O ₃
23. Ferrous Nitride	Fe ₃ N ₂
24. Ferrous Oxide	FeO
25. Copper(II) Sulphide	CuS
26. Platinum(II) Oxide	PtO
27. Potassium Nitrite	KNO ₂
28. Auric Perchlorate	Au(ClO ₄) ₃
29. Carbonic Acid	H ₂ CO ₃ (aq)
30. Periodic Acid	HIO ₄ (aq)
41. Hydrogen Bromide	HBr
42. Chloric Acid	HClO ₃ (aq)
43. Ferric Bromate	Fe(BrO ₃) ₃
44. Sodium Hydroxide	NaOH
45. Hydrogen Cyanide	HCN
46. Ammonium Sulphate	(NH ₄) ₂ SO ₄
47. Aluminum Hydroxide	Al(OH) ₃
48. Tin Tetrachloride	SnCl ₄
49. Sulphur Trioxide	SO ₃
50. Silicon Dioxide	SiO ₂

Give the prefix name for each of these chemical formulas:

51. Au ₂ O	gold monoxide
52. CuO	monocopper oxide
53. PbO	lead monoxide
54. SO ₃	sulphur trioxide
55. P ₂ O ₅	phosphorus pentoxide

For these formula provide appropriate names, if there is a polyvalent cation, provide IUPAC and -ous, -ic names only, not the prefix method.

56. CaCl ₂	calcium chloride
57. CaO	calcium oxide
58. ZnCl ₂	zinc chloride
59. LiF	lithium flouride
60. HBr	hydrogen bromide
61. TiO ₂	titanium(IV) oxide
62. PBr ₃	phosphorus(III) bromide, phosphorous bromide
63. NiO	nickel(II) oxide, nickelous oxide
64. Ni ₂ O ₃	nickel(III) oxide, nickelic oxide
65. AuN	gold(III) nitride, auric nitride
66. Fe ₂ C	iron(II) carbide, ferrous carbide
67. PbCl ₄	lead(IV) chloride, plumbic chloride
68. SnS	tin(II) sulphide, stannous sulphide
69. HgO	mercury(II) oxide, mercuric oxide
70. Ca(NO ₃) ₂	calcium nitrate

71.	CuSO_4	copper(II) sulphate, cupric sulphate
72.	FeSO_4	iron(II) sulphate, ferrous sulphate
73.	$\text{Al}_2(\text{SO}_4)_3$	aluminum sulphate
74.	K_3PO_4	potassium phosphate
75.	$\text{Au}_2(\text{CO}_3)_3$	gold(III) carbonate, auric carbonate
76.	As_2O_3	arsenic(III) oxide, arsenous oxide
77.	H_2CO_3 (aq)	carbonic acid
78.	H_3PO_4 (aq)	phosphoric acid
79.	H_2SO_4 (aq)	sulphuric acid
80.	$\text{Mg}_3(\text{PO}_4)_2$	magnesium phosphate
81.	HI (aq)	hydroiodic acid
82.	HCl	hydrogen chloride
83.	HNO_3 (aq)	nitric acid
84.	HBr (aq)	hydrobromic acid
85.	$\text{Zr}(\text{OH})_4$	zirconium hydroxide
86.	Ag_2O_2	silver peroxide
87.	Au_2O	gold(I) oxide, aurous oxide
88.	CaHSO_3	calcium bisulphite