

# Nomenclature Certification Practice Quiz

Answers. Spelling counts!

You may miss three of these and still pass the test with 90% or more.

I = named using rules for ionics

TM: transition metals require charges in ( )

CM = covalent molecular rules

1. Print the names of these substances given the formulas.

1. KOH	I	potassium hydroxide
2. Ca(NO <sub>3</sub> ) <sub>2</sub>	I	calcium nitrate
3. SCl <sub>4</sub>	CM	sulfur tetrachloride
4. CO	CM	carbon monoxide
5. FeBr <sub>2</sub>	I	<u>iron(II)</u> bromide OR ferrous bromide either
6. CrO <sub>3</sub>	I	<u>chromium(VI)</u> , oxide
7. OF <sub>2</sub>	CM	oxygen difluoride
8. Li <sub>2</sub> CO <sub>3</sub>	I	lithium carbonate
9. Na <sub>3</sub> PO <sub>4</sub>	I	sodium phosphate
10. PCl <sub>5</sub>	CM	phosphorus pentachloride
11. P <sub>4</sub> S <sub>6</sub>	CM	tetraphosphorus hexasulfide
12. CoSO <sub>4</sub>	I	<u>cobalt(II)</u> sulfate
13. Au(ClO <sub>4</sub> ) <sub>3</sub>	I	<u>gold(III)</u> perchlorate
14. KCN	I	potassium cyanide
15. MgSO <sub>3</sub>	I	magnesium sulfite
16. Be(NO <sub>2</sub> ) <sub>2</sub>	I	beryllium nitrite
17. Ca(HSO <sub>4</sub> ) <sub>2</sub>	I	calcium bisulfate OR calcium hydrogen sulfate either
18. FeCrO <sub>4</sub>	I	<u>iron(II)</u> chromate OR ferrous chromate either

2. Write the formulas of these substances given the names.

1. nickel(II) chloride	NiCl <sub>2</sub>
2. carbon disulfide	CS <sub>2</sub>
3. barium hydrogen phosphate	BaH <sub>2</sub> PO <sub>4</sub>
4. phosphorus pentafluoride	PF <sub>5</sub>
5. copper(I) chlorate	CuClO <sub>3</sub>
6. iron(III) chlorite	Fe(ClO <sub>2</sub> ) <sub>3</sub>
7. nitrogen dioxide	NO <sub>2</sub>
8. magnesium thiocyanate	Mg(SCN) <sub>2</sub>
9. calcium bicarbonate	Ca(HCO <sub>3</sub> ) <sub>2</sub>
10. potassium dihydrogen phosphate	KH <sub>2</sub> PO <sub>4</sub>
11. ammonium dichromate	(NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>
12. nitrogen triiodide	NI <sub>3</sub>
13. silver(I) acetate	AgC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>
14. vanadium(III) permanganate	V(MnO <sub>4</sub> ) <sub>3</sub>
15. beryllium peroxide	BeO <sub>2</sub>
16. carbon monoxide	CO
17. mercurous hypochlorite	Hg <sub>2</sub> (OCl) <sub>2</sub>
18. bromine pentafluoride	BrF <sub>5</sub>

Hints: formulas do not show charges: AgCl good not AgCl<sup>-</sup> not correct

Fill in your name below:

<b>Nomenclature Certified</b>	
Your Name: _____	Date: _____
Signed (by DocM): _____	
The above named individual has been Nomenclature Certified.	

If you use ferrous, ferric, etc, do not include charges as Roman numerals  
 Correct: cupric chloride Wrong: cupric(II)