

COUNTING ATOMS PRACTICE WORKSHEET

Identify the number of atoms for each element in the following compounds.

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|----------------------------------|------------|------------|-----------|
| 1) $\text{Mg}(\text{OH})_2$ | Mg = _____ | O = _____ | H = _____ |
| 2) CaCO_3 | Ca = _____ | C = _____ | O = _____ |
| 3) $\text{Ba}_3(\text{PO}_4)_2$ | Ba = _____ | P = _____ | O = _____ |
| 4) $\text{Fe}(\text{CN})_2$ | Fe = _____ | C = _____ | N = _____ |
| 5) CCl_4 | C = _____ | Cl = _____ | |
| 6) Na_2SO_3 | Na = _____ | S = _____ | O = _____ |
| 7) SrF_2 | Sr = _____ | F = _____ | O = _____ |
| 8) NH_4NO_3 | N = _____ | H = _____ | O = _____ |
| 9) CH_3COOH | C = _____ | H = _____ | O = _____ |
| 10) $\text{Cu}(\text{NO}_3)_2$ | Cu = _____ | N = _____ | |
| 11) CaCl_2 | Ca = _____ | Cl = _____ | |
| 12) PbBr_2 | Pb = _____ | Br = _____ | |
| 13) $\text{Co}_2(\text{SO}_4)_3$ | Co = _____ | S = _____ | O = _____ |
| 14) NaCl | Na = _____ | Cl = _____ | |
| 15) FeF_2 | Fe = _____ | F = _____ | |
| 16) $\text{Cu}(\text{CN})_2$ | Cu = _____ | C = _____ | N = _____ |
| 17) Be_3P_2 | Be = _____ | P = _____ | |
| 18) Na_3PO_4 | Na = _____ | P = _____ | O = _____ |
| 19) $\text{Ca}(\text{OH})_2$ | Ca = _____ | O = _____ | H = _____ |
| 20) ZnCl_2 | Zn = _____ | Cl = _____ | |

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Answers

1) Mg(OH)_2	Mg = <u>1</u>	O = <u>2</u>	H = <u>2</u>
2) CaCO_3	Ca = <u>1</u>	C = <u>1</u>	O = <u>3</u>
3) $\text{Ba}_3(\text{PO}_4)_2$	Ba = <u>3</u>	P = <u>2</u>	O = <u>8</u>
4) Fe(CN)_2	Fe = <u>1</u>	C = <u>2</u>	N = <u>2</u>
5) CCl_4	C = <u>1</u>	Cl = <u>4</u>	
6) Na_2SO_3	Na = <u>2</u>	S = <u>1</u>	O = <u>3</u>
7) SrF_2	Sr = <u>1</u>	F = <u>2</u>	O = <u>3</u>
8) NH_4NO_3	N = <u>2</u>	H = <u>4</u>	O = <u>2</u>
9) CH_3COOH	C = <u>2</u>	H = <u>4</u>	O = <u>6</u>
10) $\text{Cu(NO}_3)_2$	Cu = <u>1</u>	N = <u>2</u>	
11) CaCl_2	Ca = <u>1</u>	Cl = <u>2</u>	
12) PbBr_2	Pb = <u>1</u>	Br = <u>2</u>	
13) $\text{Co}_2(\text{SO}_4)_3$	Co = <u>2</u>	S = <u>3</u>	O = <u>12</u>
14) NaCl	Na = <u>1</u>	Cl = <u>1</u>	
15) FeF_2	Fe = <u>1</u>	F = <u>2</u>	
16) Cu(CN)_2	Cu = <u>1</u>	C = <u>2</u>	N = <u>2</u>
17) Be_3P_2	Be = <u>3</u>	P = <u>2</u>	
18) Na_3PO_4	Na = <u>3</u>	P = <u>1</u>	O = <u>4</u>
19) Ca(OH)_2	Ca = <u>1</u>	O = <u>2</u>	H = <u>2</u>
20) ZnCl_2	Zn = <u>1</u>	Cl = <u>2</u>	