

Counting Atoms Worksheet

Name: _____ Grade: _____

Instructions:

Please enter the number of elements, atoms, and molecules for each listed chemical formula.

(For example in Na_2SO_4 , sodium sulfate, contains three elements Na, S, O, 7 atoms, and 1 molecule.)

Formula	Elements	Atoms	Molecules
Na_2SO_4	3 (Na, S, O)	7	1
$\text{C}_6\text{H}_{12}\text{O}_6$			
$3\text{H}_2\text{O}$			
$\text{Ca}(\text{OH})_2$			
2NaCl			
$\text{Al}_2(\text{SO}_4)_3$			
4NH_3			
$3\text{Mg}(\text{OH})_2$			
2KNO_3			

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Answer Key

Formula	Elements	Atoms	Molecules
Na_2SO_4	3 (Na, S, O)	7	1
$\text{C}_6\text{H}_{12}\text{O}_6$	3 (C, H, O)	24	1
$3\text{H}_2\text{O}$	2 (H, O)	9	3
$\text{Ca}(\text{OH})_2$	3 (Ca, O, H)	5	1
2NaCl	2 (Na, Cl)	4	2
$\text{Al}_2(\text{SO}_4)_3$	3 (Al, S, O)	17	1
4NH_3	2 (N, H)	16	4
$3\text{Mg}(\text{OH})_2$	3 (Mg, O, H)	15	3
2KNO_3	3 (K, N, O)	10	2