

# Counting Atoms Worksheet

Fill the table with the correct information.

Compound	Elements Present in Compound	How Many of Each Element is Present in the Compound?
$(\text{NH}_4)_3\text{PO}_4$		
$\text{Al}(\text{OH})_3$		
$\text{Al}_2(\text{SO}_3)_3$		
$\text{C}_2\text{H}_4\text{O}$		
$\text{Ca}_3(\text{PO}_4)_2$		
$\text{CaClO}_3$		
$\text{Fe}_2(\text{CO}_3)_3$		
$\text{HNO}_3$		
$\text{Li}_2\text{O}$		
$\text{NaC}_2\text{H}_3\text{O}_2$		

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## Answers

Compound	Elements Present in Compound	How Many of Each Element is Present in the Compound?
$(\text{NH}_4)_3\text{PO}_4$	N, H, P, O	N = 3 H = 12 P = 1 O = 4
$\text{Al}(\text{OH})_3$	Al, O, H	Al = 1 O = 3 H = 3
$\text{Al}_2(\text{SO}_3)_3$	Al, S, O	Al = 2 S = 3 O = 6
$\text{C}_2\text{H}_4\text{O}$	C, H, O	C = 2 H = 4 O = 1
$\text{Ca}_3(\text{PO}_4)_2$	Ca, P, O	Ca = 3 P = 2 O = 8
$\text{CaClO}_3$	Ca, Cl, O	Ca = 1 Cl = 1 O = 3
$\text{Fe}_2(\text{CO}_3)_3$	Fe, C, O	Fe = 2 C = 3 O = 9
$\text{HNO}_3$	H, N, O	H = 1 N = 1 O = 3
$\text{Li}_2\text{O}$	Li, O	Li = 2 O = 1
$\text{NaC}_2\text{H}_3\text{O}_2$	Na, C, H, O	Na = 1 C = 2 H = 3 O = 2