

Directions: For each of the following, determine the number of molecules, the number of each type of atom, and draw/model the molecules.

Formula	Number of Molecules	Number of each type of atom (list them)	Particle diagram/model of the molecule(s)
4 KNO_3	4	K 4 N 4 O 12	
1 $\text{C}_6\text{H}_{12}\text{O}_6$	1	C 6 H 12 O 6	
3 $\text{Ca}_3(\text{PO}_4)_2$	3	Ca 9 P 6 O 24	
2 H_2SO_4	2	H 4 S 2 O 8	
1 $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$	1	Zn 1 C 4 H 6 O 4	
5 BaF_2	5	Ba 5 F 10	
6 H_2O_2	6	H 12 O 12	

Are the following equations balanced? Use a model/diagram to use as evidence! If they are not balanced, you do not have to balance them (yet)

(Hint: Look in your guided notes we started.)

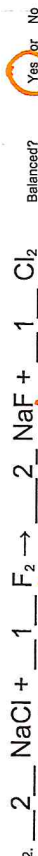


Evidence:



Balanced?

Yes or No



Evidence:



Balanced?

Yes or No



Evidence:

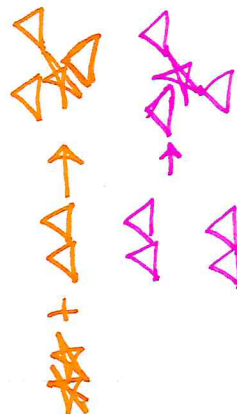


Balanced?

Yes or No



Evidence:



Balanced?

Yes or No