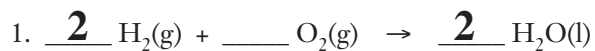


Balancing Equations Worksheet

Table 1. Counting Atoms

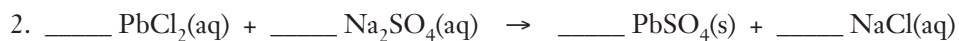
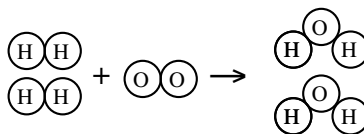
Name and Use	Formula	Atoms in Formula
1. Silicon dioxide Use: Sand	SiO_2	Si = Silicon 1 O = Oxygen 2
2. Butane Use: Lighter fluid	C_4H_{10}	
3. Iron(III) oxide Use: Rust	Fe_2O_3	
4. Sulfuric acid Use: Car batteries	H_2SO_4	
5. Magnesium hydroxide Use: Milk of magnesia	$\text{Mg}(\text{OH})_2$	
6. Sucrose Use: Sugar	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$	
7. Trinitrotoluene (TNT) Use: Explosives	$\text{C}_7\text{H}_5(\text{NO}_2)_3$	
8. Calcium dihydrogen phosphate Use: Fertilizer	$\text{Ca}(\text{H}_2\text{PO}_4)_2$	

Table 2. Balancing Equations



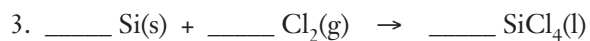
Reaction type: Synthesis

Molecular representation:



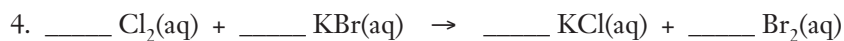
Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



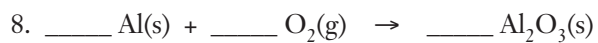
Reaction type:

Molecular representation:



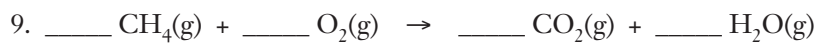
Reaction type:

Molecular representation:



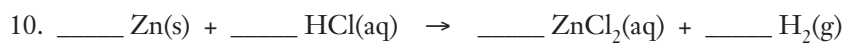
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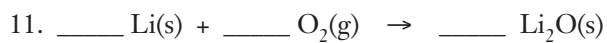
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Molecular representation:



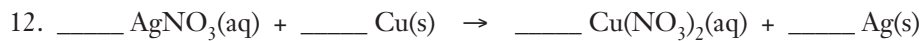
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Molecular representation:



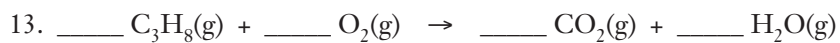
Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



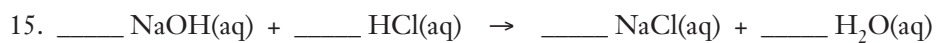
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Molecular representation:



Reaction type:

Molecular representation:



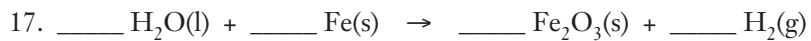
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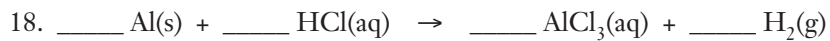
Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



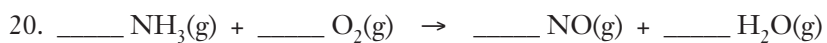
Reaction type:

Molecular representation:



Reaction type:

Molecular representation:



Reaction type:

Molecular representation: