

Sci 10 Chemistry: Extra Balancing Sheet #2

#5 $2\text{Fe} + 6\text{HCl} \rightarrow 2\text{FeCl}_3 + 3\text{H}_2$

Atom	R	P
Fe	2	2
H	6	6
Cl	6	6

#6 $2\text{C}_3\text{H}_8 + 10\text{O}_2 \rightarrow 6\text{CO}_2 + 8\text{H}_2\text{O}$

double

Atom	R	P
C	6	6
H	16	16
O	20	20

#10 $\text{H}_3\text{PO}_4 + 3\text{NaOH} \rightarrow \text{Na}_3\text{PO}_4 + 3\text{H}_2\text{O}$

Hydrogen phosphate + Sodium hydroxide \rightarrow Sodium phosphate + water

Atom	R	P
H	4	4
P	1	1
O	7	7

#11 $3\text{Ca}(\text{NO}_3)_2 + 2\text{Na}_3\text{PO}_4 \rightarrow \text{Ca}_3(\text{PO}_4)_2 + 6\text{NaNO}_3$

Calcium Nitrate + Sodium phosphate \rightarrow Calcium phosphate + Sodium nitrate

Atom	R	P
Ca	6	6
N	12	12
O	36	36

#12 $2\text{Cu} + 8\text{HNO}_3 \rightarrow 2\text{Cu}(\text{NO}_3)_2 + 4\text{H}_2\text{O} + 2\text{NO}_2$

Copper + Nitric Acid \rightarrow Copper(II) nitrate + Water + Nitrogen dioxide

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