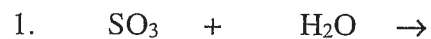


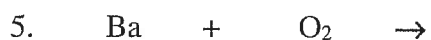
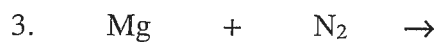
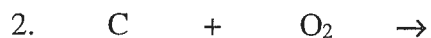
## Predicting Products of Redox Reactions

### Synthesis

Predict the products and balance the following synthesis reactions.

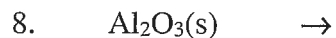


(Hint: this is an acid you memorized)



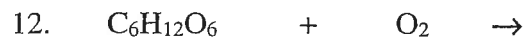
### Decomposition

Predict the products and balance the following decomposition reactions.



### Combustion

Predict the products and balance the following combustion reactions.



## Single Replacement

Predict the products and balance the following single replacement reactions. Use the activity series to determine if a reaction will occur. If no reaction occurs write N.R. For transition metals use the following charges:

Iron: $\text{Fe}^{3+}$	Mercury: $\text{Hg}^{2+}$
Lead: $\text{Pb}^{4+}$	Copper: $\text{Cu}^{1+}$
	Gold: $\text{Au}^{3+}$

