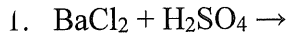
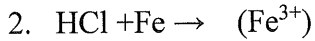
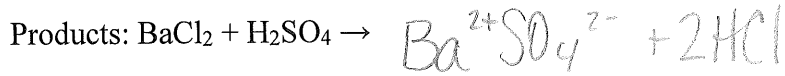


What's your Type?

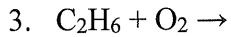
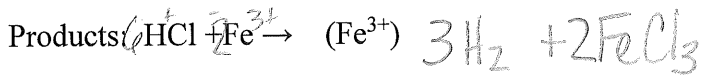
For each of the following reactions, predict the type of reaction and products produced.



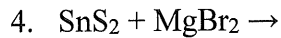
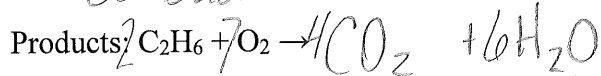
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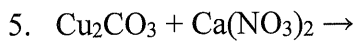
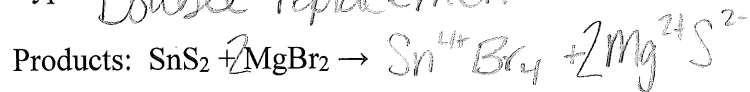
Type:



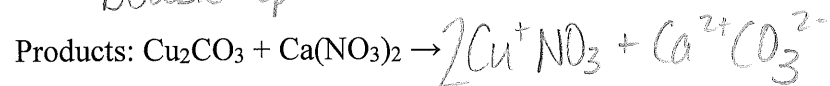
Type: Combustion



Type: Double replacement



Type: Double replacement



6. Hydrogen plus fluorine →

Type: *Synthesis*

Translate: $H_2 + F_2 \rightarrow 2HF$

Predict products:

7. Aluminum plus potassium sulfate →

Type: *Single replacement*

Translate: $Al^{3+} + K_2S$

Predict products: $2Al^{3+} + 3K_2S \rightarrow Al_2S_3 + 6K^+$

8. Manganese IV chloride plus ammonium sulfide →

Type: *Double*

Translate: $Mn^{4+}Cl_4 + (NH_4^+)_2S^{2-}$

Predict products: $Mn^{4+}Cl_4 + 2(NH_4^+)_2S^{2-} \rightarrow MnS_2 + 4(NH_4^+)Cl^-$

9. Tricarbon heptahydride plus water →

Type:

Translate: $C_3H_7 + H_2O$

Predict products:

10. Aluminum hydroxide plus acetic acid →

Type: *Double*

Translate: $Al^{3+}(OH^-)_3 + HC_2H_3O_2^-$

Predict products: $Al^{3+}(OH^-)_3 + HC_2H_3O_2 \rightarrow Al^{3+}(C_2H_3O_2)_3 + H_2O$