Types of Chemical Reactions

Do atoms rearrange in predictable patterns during chemical reactions?

Why?

Recognizing patterns allows us to predict future behavior. Weather experts use patterns to predict dangerous storms so people can get their families to safety. Political analysts use patterns to predict election outcomes. Similarly, chemists classify chemical equations according to their patterns to help predict products of unknown but similar chemical reactions.

Set B

Model 1 - Types of Reactions

Set A
$4\text{Fe}(s) + 3\text{O}_3(g) \rightarrow 2\text{Fe}_2\text{O}_3(s)$
$N_y(g) + 3H_y(g) \rightarrow 2NH_y(g)$
$2SO_2(g) + O_2(g) \rightarrow 2SO_3(g)$
$MgO(s)+H_2O(l) \rightarrow Mg(OH)_3(aq)$
$P_2O_3(g) + 3H_2O(l) \rightarrow 2H_3PO_4(aq)$
$SO_{j}(g) * H_{j}O(l) \rightarrow H_{j}SO_{j}(aq)$

$MgCO_{3}(s) \rightarrow MgO(s) + CO_{2}(g)$	
$8\text{Li}_2S(s) \rightarrow 16\text{Li}(s) + S_a(s)$	
$2H_2O(1) \rightarrow 2H_2(g) + O_2(g)$	
2KClO ₃ (s) → 2KCl(s) + 3O ₂ (g)	
그렇게 하는 사람들이 가지 않는데 가장 하는데 가장 하는데	

$$2Na_2O_3(s) \rightarrow 2Na_2O(s) + O_3(g)$$

 $(NH_2)_2O_3(s) \rightarrow 2NH_3(g) + H_2O(l) + CO_3(g)$

Set D	
$AgNO_s(aq) + NaCl(aq) \rightarrow AgCl(s) + NaN$	$O_{g}(aq)$
$2HNO_{s}(aq) + Mg(OH)_{s}(aq) \rightarrow Mg(NO_{s})_{s}(aq) + 2H_{s}O(l)$	
$Na_sCO_s(aq) + CaCl_s(aq) \rightarrow CaCO_s(a) + 2NaCl(aq)$	
$FeS(s) + 2HCl(aq) \rightarrow H_yS(g) + FeCl_y(aq)$	
$HCl(aq) + NaOH(aq) \rightarrow H_2O(l) + NaCl(aq)$	eq)
$FeBr_s(aq) + K_sPO_s(aq) \rightarrow FePO_s(s) + 3KB$	r(aq)

The chemical equations in Model 1 contain the phase notations (s), (f), (g), and (aq). March
each symbol with its meaning.

dissolved in water liquid solid gas
(aq) (L) (S) (9

 Based on the examples provided, which set(s) of reactions in Model 1 typically involve ions in solution (A, B, C or D)?

C aD

 Based on the examples provided, which set(s) of reactions in Model 1 typically involve gases and/or solids?

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Model 1 Types Of Chemical Reactions Pogil

Jenny Karpelenia

Model 1 Types Of Ch	emical Reactions Pogil:
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This book delves into Model 1 Types Of Chemical Reactions Pogil. Model 1 Types Of Chemical Reactions Pogil is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Model 1 Types Of Chemical Reactions Pogil, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
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 - Chapter 3: Model 1 Types Of Chemical Reactions Pogil in Everyday Life
 - Chapter 4: Model 1 Types Of Chemical Reactions Pogil in Specific Contexts
 - ∘ Chapter 5: Conclusion
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- 6. In chapter 5, this book will draw a conclusion about Model 1 Types Of Chemical Reactions Pogil. This chapter will summarize the key points that have been discussed throughout the book.
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