

Bell Ringer #41:

**Socratic Room Name:
LEVEL70WARRIOR**

Chemical Reactions Predicting Products

<http://drmoad.weebly.com/>

Agenda

Bell Ringer

Kahoot: Chemical Reactions

Demo: Mg in HCl

Notation Example

Final Test Outline

Quiz: Reaction Types & Balancing

Exit Ticket

Kahoot: Reaction Types and More!

Demo: Mg in HCl

Reactants:

magnesium (s)

hydrochloric acid (aq)

Products:

??? $MgCl$ (aq)

??? H_2 (g)

Additional Notation

(s) = solid

(l) = liquid

(g) = gas

(aq) = aqueous

Δ = heat or catalyst

\uparrow = gas or bubbles

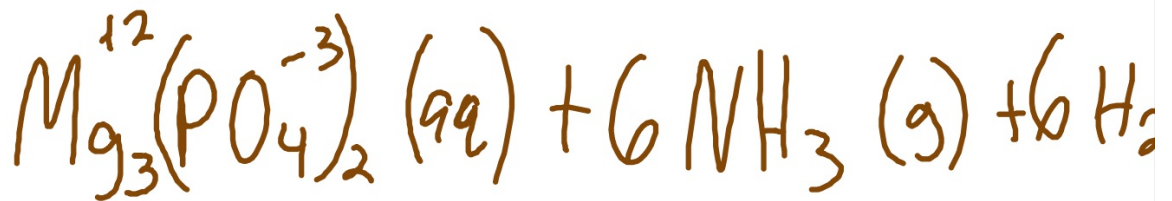
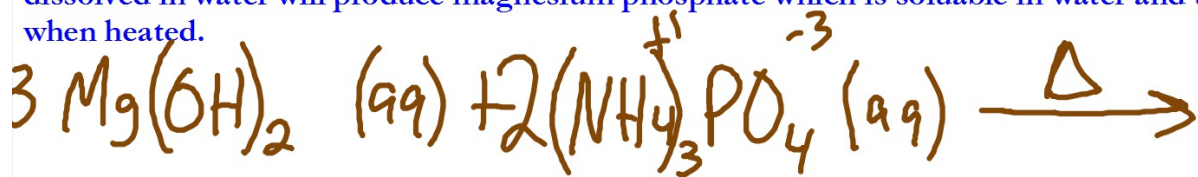
\downarrow = precipitate

\rightleftharpoons = reversible reaction



Write reaction, balance, use all proper notation.

Magnesium hydroxide which is dissolved in water and ammonium phosphate which is also dissolved in water will produce magnesium phosphate which is soluble in water and the gas NH_3 when heated.



| | | | | | | | |
|----|--------------|---------------|----|----|---|---|-----|
| Mg | + | 3 | | Mg | 3 | | |
| O | 6 | 12 | 14 | O | 8 | | 6:O |
| H | 14 | 18 | 30 | H | 3 | 9 | 18 |
| N | 3 | 6 | | N | + | 3 | 6 |
| P | 1 | 2 | | P | 2 | | |

Topics on the Final: **Handout**

Chemical Reactions Quiz

Exit Ticket #41:

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Reaction Type