

CHE101 - Extra Practice - Chapter 8: Reactions - F19 - Ver. 3

Name: _____

Class: _____

Date: _____

Answer the following reactions. Balance all charges, balance the reaction, include states when known. Write NR if no reaction occurs.

1. $__ \text{Na}_2\text{CO}_3 (\text{aq}) + __ \text{H}_2\text{SO}_4 (\text{aq}) \longrightarrow$
2. $__ \text{Ag}_3\text{PO}_4 (\text{s}) + __ \text{K} (\text{s}) \longrightarrow$
3. $__ \text{HF} (\text{aq}) + __ \text{NiCO}_3 () \longrightarrow$
4. $__ \text{K} (\text{s}) + __ \text{Mg}_3(\text{PO}_4)_2 (\text{s}) \longrightarrow$
5. $__ \text{H}_3\text{PO}_4 (\text{aq}) + __ \text{Na}_2\text{CO}_3 (\text{aq}) \longrightarrow$
6. $__ \text{C}_2\text{H}_5\text{OH} + __ \text{O}_2 (\text{g}) \longrightarrow$
7. $__ \text{Br}_2 (\text{l}) + __ \text{NiI}_2 () \longrightarrow$
8. $__ \text{Ag}_3\text{PO}_4 (\text{s}) + __ \text{Mg} (\text{s}) \longrightarrow$
9. $__ \text{Zn} (\text{s}) + __ \text{AgF} () \longrightarrow$
10. $__ \text{CaSO}_3 () + __ \text{HF} (\text{aq}) \longrightarrow$
11. $__ (\text{NH}_4)_3\text{PO}_4 (\text{aq}) + __ \text{Ca}(\text{OH})_2 (\text{s}) \longrightarrow$
12. $__ \text{C}_3\text{H}_7\text{OH} + __ \text{O}_2 (\text{g}) \longrightarrow$
13. $__ \text{CH}_3\text{OH} + __ \text{O}_2 (\text{g}) \longrightarrow$
14. $__ \text{NaOH} (\text{aq}) + __ \text{H}_2\text{SO}_4 (\text{aq}) \longrightarrow$
15. $__ \text{MgBr}_2 (\text{aq}) + __ \text{Cl}_2 (\text{g}) \longrightarrow$
16. $__ \text{Mg}(\text{OH})_2 (\text{aq}) + __ \text{HF} (\text{aq}) \longrightarrow$
17. $__ \text{Ca}(\text{OH})_2 (\text{aq}) + __ \text{H}_3\text{PO}_4 (\text{aq}) \longrightarrow$
18. $__ \text{F}_2 (\text{g}) + __ \text{NiCl}_2 () \longrightarrow$
19. $__ \text{Mg}(\text{OH})_2 (\text{aq}) + __ \text{H}_2\text{SO}_4 (\text{aq}) \longrightarrow$
20. $__ \text{C}_2\text{H}_6 + __ \text{O}_2 (\text{g}) \longrightarrow$

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