

Complete each reaction, balance it, and add phase subscripts.

1. Combination reactions:



1.5 Which of the above reactions could also be classified as a combustion reaction? \_\_\_\_\_

2. Combustion Reactions:

a. Write a balanced equation for the combustion of butane gas ( $\text{C}_4\text{H}_{10}$ ):

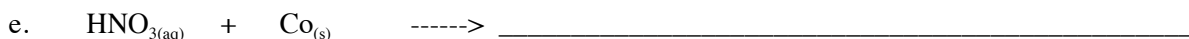
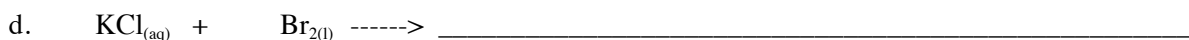
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b. Write a balanced equation for the combustion of iron wool, assuming that ferrous ion is produced:

\_\_\_\_\_



3. Single replacement reactions:



4. Double Replacement Reactions:



5. Mixed Practice! Predict the products for each reaction. \_\_\_\_\_ are N.R.

Look to the right of each equation to see if you need to balance the equation and/or write phase subscripts.

