

## CH 151 Extra Credit Assignment

One half point per question, up to five points total. Include the final balanced equation on this sheet under the problem. This assignment is due at **8 AM on Monday, July 16**. Late assignments will not be accepted.

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*The questions:*

1. Silver(I) oxide is decomposed into its elements.
  2. Butene ( $C_4H_8$ ) is burned in air.
  3. Hydrochloric acid and sodium hydroxide react in a beaker.
  4. Sodium and chlorine gas make table salt.
  5. Silver metal reacts with copper(II) nitrate to make a silver(I) compound.
  6. Sulfur ( $S_8$ ) reacts with oxygen to make sulfur trioxide.
  7. Aluminum metal reacts with sulfuric acid.
  8. Ammonium dichromate reacts to make water, nitrogen and chromium(III) oxide.
  9. Ethanol ( $C_2H_6O$ ) is allowed to combust in an engine.
  10. Phosphoric acid and barium hydroxide are allowed to react.
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*The answers:*

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.