**Honors Chemistry II - Coordination Complex Practice** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Silver nitrate reacts with ammonia to form a complex ion.
2. Silver nitrate reacts with sodium thiosulfate to form a complex ion.
3. Copper(II) nitrate reacts with ammonia to form a complex ion.
4. Zinc nitrate reacts with potassium cyanide to form a complex ion.
5. Mercury(II) nitrate reacts with sodium iodide to form a complex ion.
6. Cobalt(II) nitrate reacts with sodium thiocyanate to form a complex ion.
7. Iron(II) nitrate dissolves in water to form a complex ion.
8. Iron(III) nitrate dissolves in water to form a complex ion.
9. Iron(II) nitrate reacts with sodium cyanide to form a complex ion.
10. Cobalt(III) nitrate reacts with ammonia to form a complex ion.
11. Nickel(II) nitrate reacts with ammonia to form a complex ion.

<http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch12/complex.php#typical>