

Chemistry 11  
Science 10 Review

Name: Key  
Date:  
Block:

Write the formula for the following compounds:

1. Barium nitride



2. Lithium oxide



3. Aluminum sulphide



4. Copper(II)oxide



5. Zinc(II) fluoride



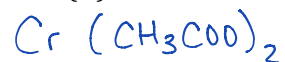
6. Chromium(III) nitride



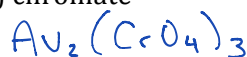
7. Silver oxalate



8. Chromium(II) acetate



9. Gold (III) chromate



Write the name for the following compounds:

1. GaAs

Gallium arsenide

2. KCl

Potassium chloride

3. Ni<sub>3</sub>P<sub>2</sub>

Nickel (II) phosphide

4. TiO<sub>2</sub>

Titanium (IV) oxide

5. Au<sub>2</sub>Se

Gold (I) selenide

6. Ag<sub>2</sub>C<sub>2</sub>O<sub>4</sub>

Silver oxalate

7. Na<sub>2</sub>CrO<sub>4</sub>

Sodium chromate

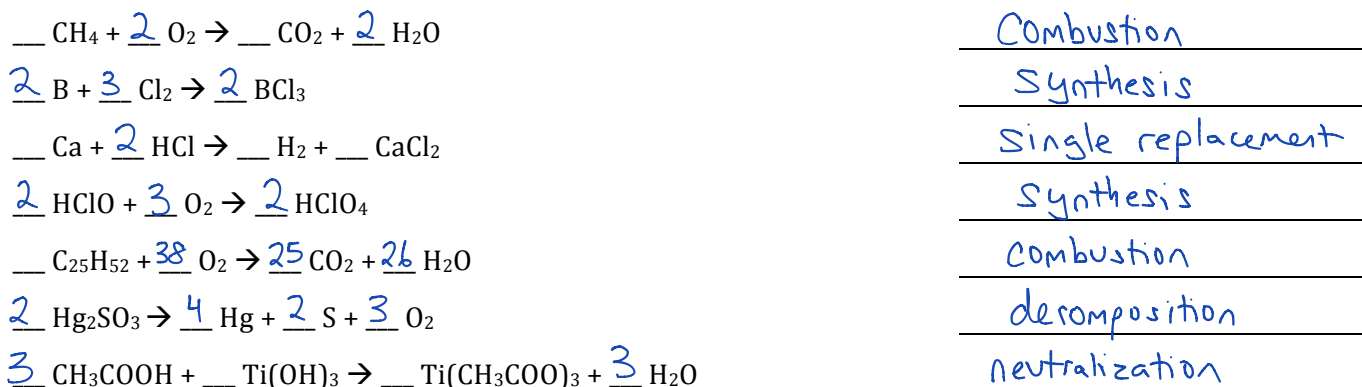
8. Cr(NO<sub>3</sub>)<sub>2</sub>

chromium (II) nitrate

Classify each of the following as an acid, base, or salt.

- |                                   |             |
|-----------------------------------|-------------|
| 1. Potassium hydroxide            | <u>base</u> |
| 2. Has a pH of 3                  | <u>acid</u> |
| 3. NaCl                           | <u>salt</u> |
| 4. Magnesium carbonate            | <u>Salt</u> |
| 5. HF                             | <u>acid</u> |
| 6. LiOH                           | <u>base</u> |
| 7. Tastes bitter                  | <u>base</u> |
| 8. Calcium nitrate                | <u>salt</u> |
| 9. H <sub>3</sub> PO <sub>4</sub> | <u>acid</u> |
| 10. Sr(OH) <sub>2</sub>           | <u>base</u> |

Balance the following reaction and classify the type of chemical reaction:



Write the complete balanced chemical reactions for the following:

- a) Potassium hydroxide and hydrogen are produced when potassium metal reacts with water.



- b) The reaction between magnesium metal and copper(II) sulphate.



- c) Decomposition of mercury(II) oxide to its elements.

