

Key

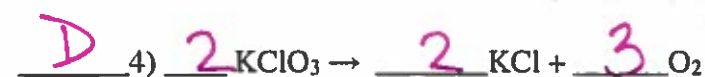
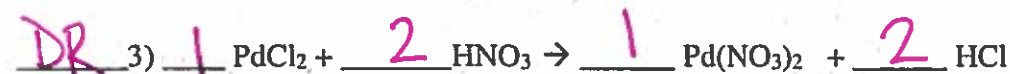
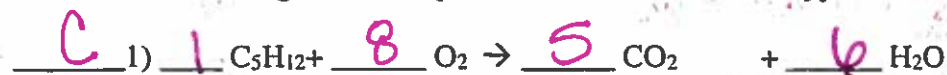
Practice Test Chemistry

What is wrong with leaving the following skeleton equation alone? What law does that violate?



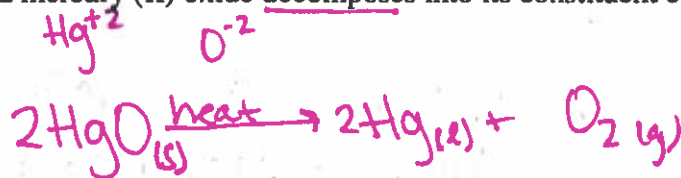
Not balanced - * Conservation of matter *

Balance the following skeleton equation and include reaction type:



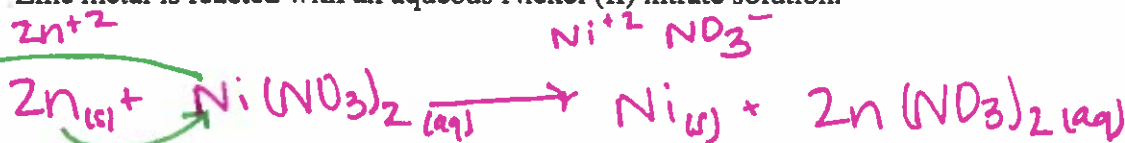
Write molecular equations for the following.

5. Solid mercury (II) oxide decomposes into its constituent elements upon heating.



6. Zinc metal is reacted with an aqueous Nickel (II) nitrate solution.

Zn more reactive than Ni



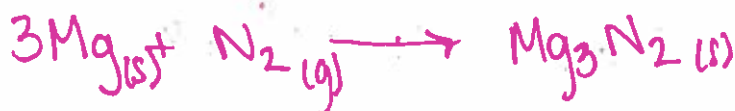
7. Liquid butane (C_4H_{10}) fuel combusts. (O_2)



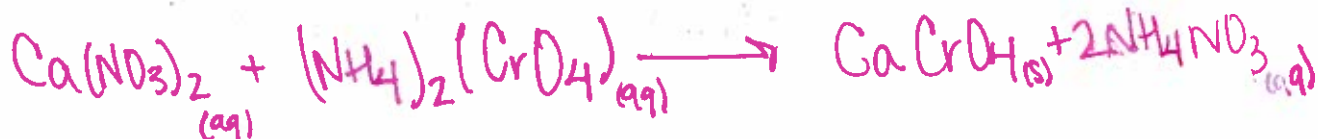
8. Sulfuric acid is reacted with a solution of Barium iodide



9. Magnesium metal is reacted with nitrogen gas to form one product.

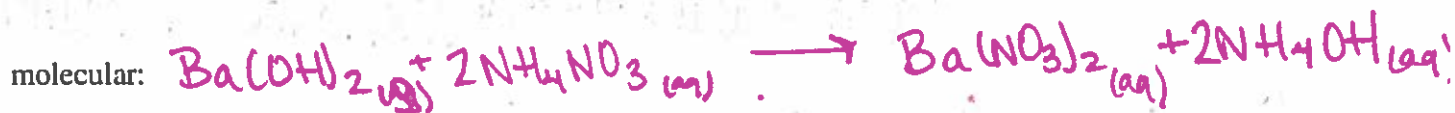


10. A Calcium nitrate solution is reacted with a solution of ammonium chromate.



Write molecular, ionic, and net ionic for the following:

11. Barium hydroxide is reacted with a solution of Ammonium nitrate



ionic:

Broke up a solid

No Reaction

(Both products are aqueous)

net ionic:

What is this reactions driving force?

12. Chlorine is reacted with an aqueous solution of Aluminum fluoride



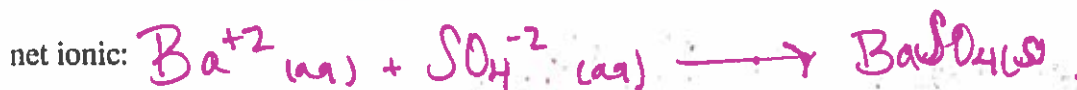
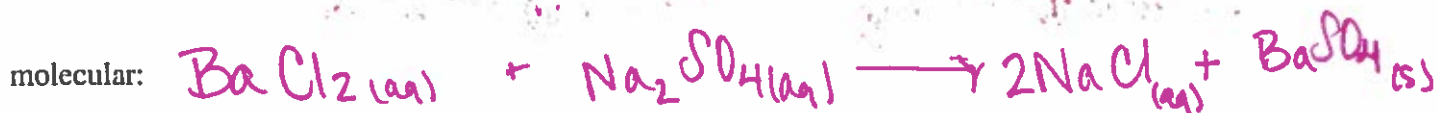
ionic:

* Chlorine is less reactive than fluorine - Activity Series

net ionic:

What is this reactions driving force?

13. Barium chloride is dissolved in water and then reacted with a solution of Sodium sulfate.



What is this reactions driving force?

Formation of a precipitation