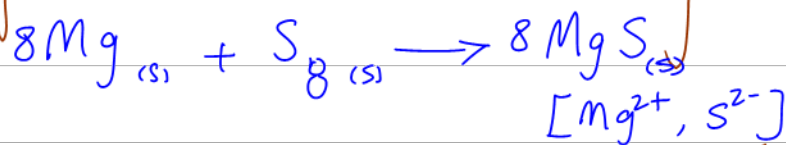


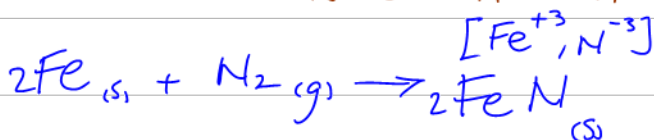
## Extra Reactions Homework (equation)

\* Write a balanced reaction for the following while predicting reaction products. Include all states of matter.

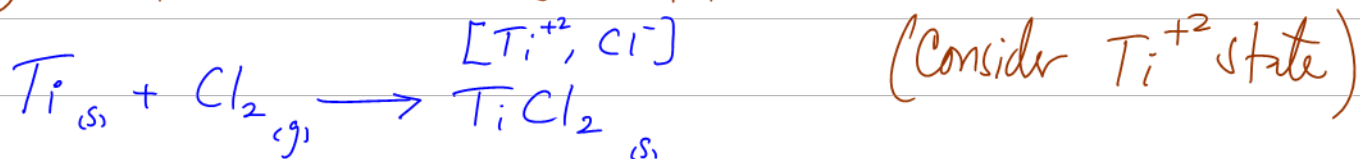
1) magnesium reacts with sulfur.



2) Iron reacts with nitrogen (Consider Fe<sup>+3</sup> state)  
(product)



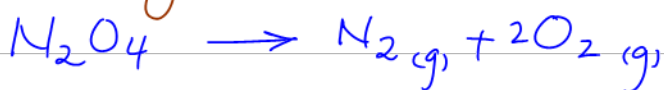
3) Titanium reacts with chlorine.



4) Calcium sulfite is decomposed.



5) Dinitrogen tetroxide is decomposed.



6) Chromium(III) nitrate is decomposed.



7) Nickel(II) phosphide is decomposed.

