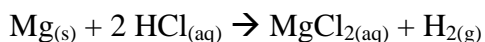


I. Multiple Choice and Completion - Choose the best answer and print the letter of this answer in the appropriate space on the scantron sheet.

1. What is the formula weight of $\text{Mg}(\text{ClO}_3)_2$?
 (A) 37 g/mole (B) 94 g/mole (C) 76 g/mole (D) 143 g/mole (E) 191 g/mole

FOR THE NEXT THREE (3) QUESTIONS CONSIDER THIS EQUATION:



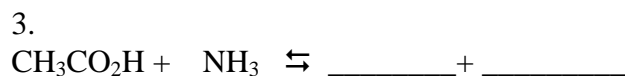
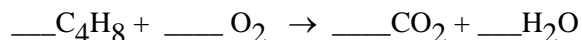
2. Classifying this reaction by equation type we would call this (A) a combination reaction. (B) a decomposition reaction. (C) a single replacement reaction. (D) a double replacement reaction.
3. The driving force for this reaction is (A) the formation of water. (B) the formation of a gas. (C) the formation of a solid. (D) the transfer of electrons.
4. Which reactant is being oxidized in this reaction? (A) Mg (B) H (C) Cl^- (D) both Mg & H

II Problems

1. pH.

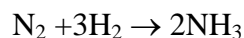
	$[\text{H}_3\text{O}^+]$ (M)	pH	$[\text{OH}^-]$	pOH
1.00 M lactic acid		1.93		

2. Balance



Which way does the equilibrium lie? _____

4. Consider the reaction:



How many grams of NH_3 are produced from the reaction of 4.50 g of N_2 ?