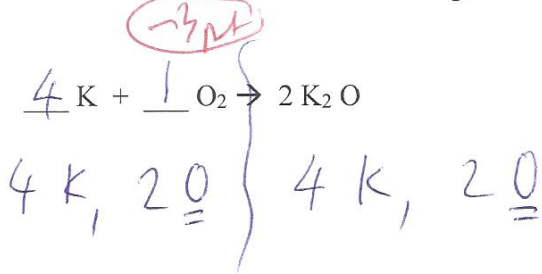


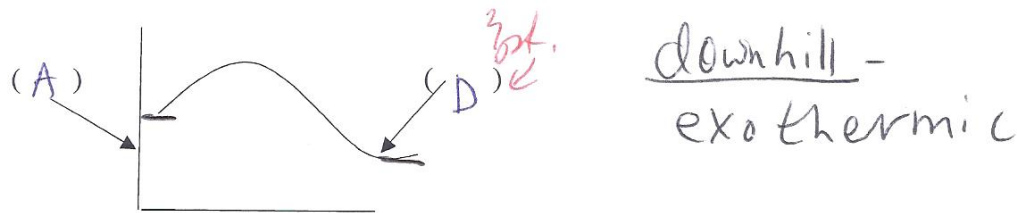
Name Key Name _____
 Sign _____ Print (bc I can't read your signatures) *pink*

Please show work for full credit and partial credit on all questions (even those which do not specify show work).

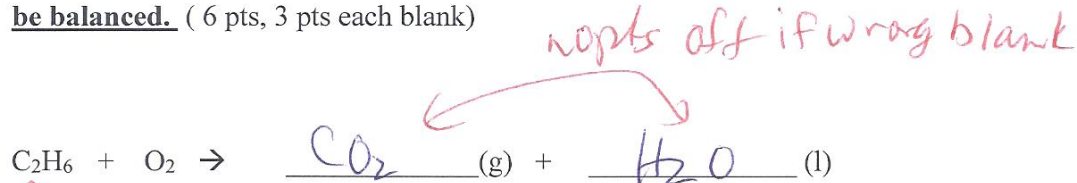
1. a. Balance the following reaction by filling in the blank with the appropriate number. (6 pts)



2. For the following energy diagram, label by matching the letter to the provided parenthesis. (A) Energy (B) time or progress of reaction (C) reactant (D) product (6 pts)



3. Given the following reactant, write down the expected reaction product. **Reaction does not need to be balanced.** (6 pts, 3 pts each blank)

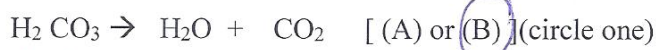


hydrocarbon (C + H only in molecule)

The reaction that you show is a (2 pts)

[(acid base reaction) or combustion reaction or (dissociation of acid in water reaction)] (circle one)

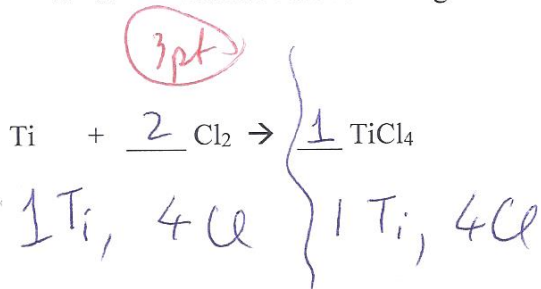
Extra Credit Question Is the following (A) combination (B) decomposition reaction (4 pts)



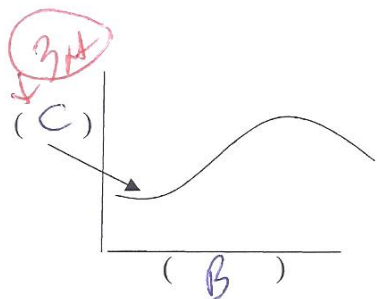
Name Key Name _____
 Sign _____ Print (bc I can't read your signatures)

Please show work for full credit and partial credit on all questions (even those which do not specify show work).

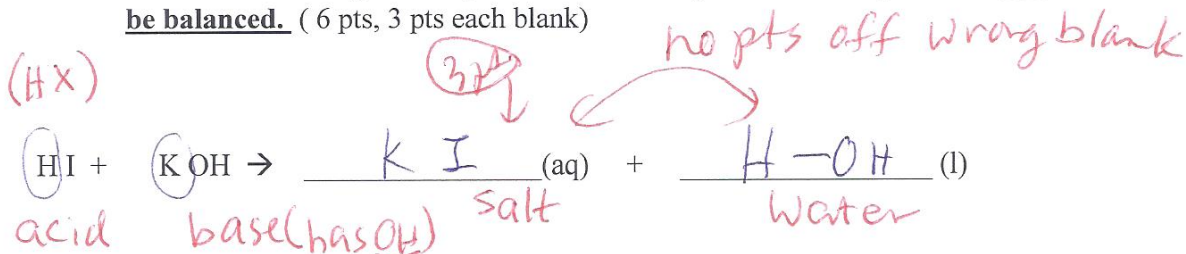
1. a. Balance the following reaction by filling in the blank with the appropriate number. (6 pts)



2. For the following energy diagram, label by matching the letter to the provided parenthesis.
 (A) Energy (B) time or progress of reaction (C) reactant (D) product (6 pts)



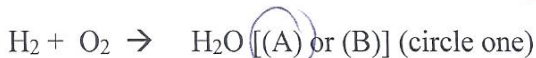
3. Given the following reactant, write down the expected reaction product. **Reaction does not need to be balanced.** (6 pts, 3 pts each blank)



The reaction that you show is a (2 pts)

[(acid base reaction) or (combustion reaction) or (dissociation of acid in water reaction)] (circle one)

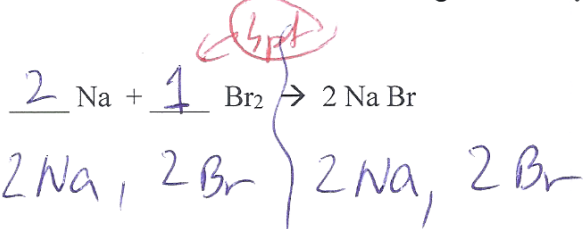
Extra Credit Question Is the following (A) combination (B) decomposition reaction (4 pts)



Name Key Name _____
 Sign _____ Print (bc I can't read your signatures)

Please show work for full credit and partial credit on all questions (even those which do not specify show work).

1. a. Balance the following reaction by filling in the blank with the appropriate number. (6 pts)



2. For the following energy diagram, label by matching the letter to the provided parenthesis. (A) Energy (B) time or progress of reaction (C) reactant (D) product (6 pts)



3. Given the following reactant, write down the expected reaction product. **Reaction does not need to be balanced.** (6 pts, 3 pts each blank)

hydrocarbon (only C + H)



no pts off wrong blank

The reaction that you show is a (2 pts)

[(acid base reaction) or (combustion reaction) or (dissociation of acid in water reaction)] (circle one)

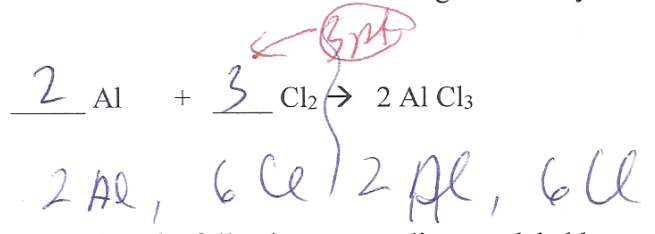
Extra Credit Question Is the following (A) combination (B) decomposition reaction (4 pts)



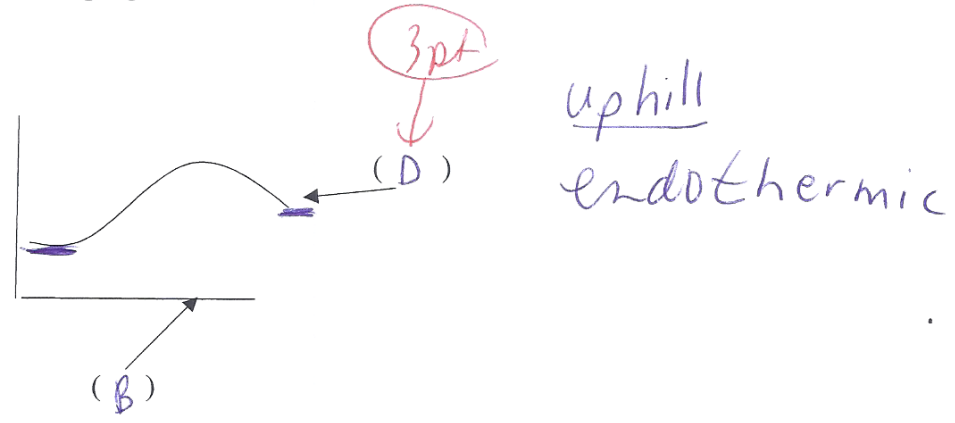
Name key Name _____
 Sign _____ Print (bc I can't read your signatures) pink

Please show work for full credit and partial credit on all questions (even those which do not specify show work).

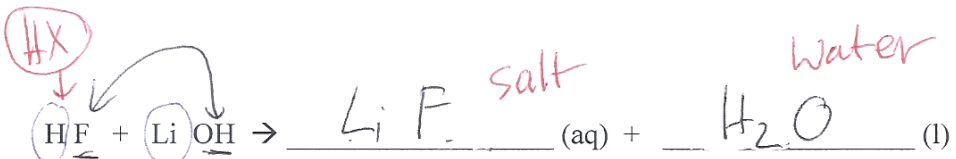
1. a. Balance the following reaction by filling in the blank with the appropriate number. (6 pts)



2. For the following energy diagram, label by matching the letter to the provided parenthesis.
 (A) Energy (B) time or progress of reaction (C) reactant (D) product (6 pts)



3. Given the following reactant, write down the expected reaction product. **Reaction does not need to be balanced.** (6 pts, 3 pts each blank)



acid base (has OH)
 The reaction that you show is a (2 pts)

[(acid base reaction) or (combustion reaction) or (dissociation of acid in water reaction)] (circle one)

Extra Credit Question Is the following (A) combination (B) decomposition reaction (4 pts)

