Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9 am Quiz III form A 9/28 F Exam # _____

Name _____ Name _____

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

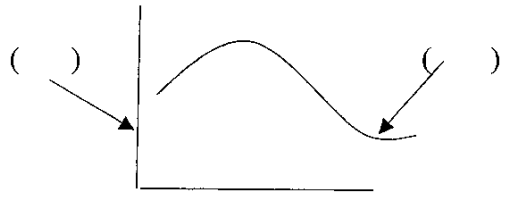
extra credit quiz redo (pink)

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)

___ K + ___ O_2 → 2 K_2O

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)

C_2H_6 + O_2 → _____(g) + _____ (l)

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)

H_2CO_3 → H_2O + CO_2 [(A) or (B)](circle one)

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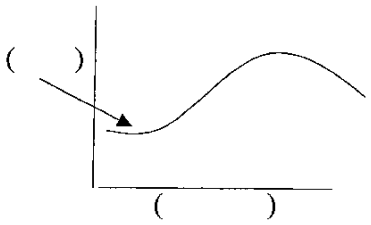
extra credit - quiz redo

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)

Ti + ____ Cl_2 → ___ $TiCl_4$

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)

H I + K OH → _____(aq) + _____ (l)

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)

H_2 + O_2 → H_2O [(A) or (B)] (circle one)

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 11 am Quiz III form A 9/28 F Exam # _____

Name _____ Name _____

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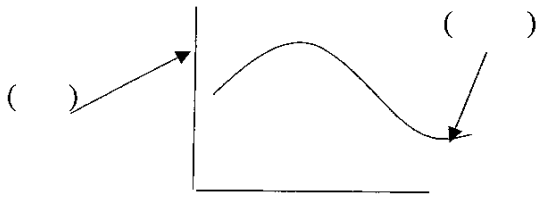
extra credit - quiz redo

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)

____ Na + ____ Br_2 → 2 Na Br

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)

C_7H_{16} + O_2 → _____ (g) + _____ (l)

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)

H_2 + O_2 → H_2O [(A) or (B)] (circle one)

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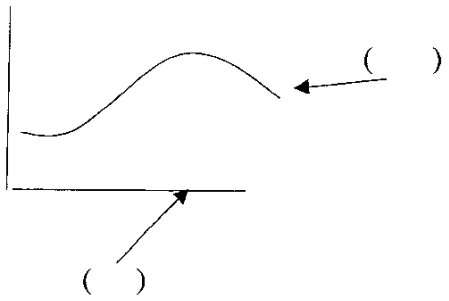
extra credit - quiz redo

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)

_____ Al + _____ Cl_2 → 2 Al Cl_3

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)

H F + Li OH → _____ (aq) + _____ (l)

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)

H_2CO_3 → H_2O + CO_2 [(A) or (B)](circle one)