Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9	am Quiz III form A 9/28 F Exam#
Name	Name
Name Sign  EX EVA CVELLY GUIZ VE Clo  Please show work for full credit and partial credit on a work).	Print (be I can't read your signatures)  Plink  all questions (even those which do not specify show
	g in the blank with the appropriate number. (6 pts)
$K + O_2 \rightarrow 2 K_2 O$	
2. For the following energy diagram, label by mat (A) Energy (B) time or progress of reaction (C) r	
3. Given the following reactant, write down the exbe balanced. (6 pts, 3 pts each blank)	expected reaction product. Reaction does not need to
$C_2H_6 + O_2 \rightarrow (g) +$	(1)
The reaction that you show is a (2 pts)	
[(acid base reaction) or (combustion reaction) or (disso	ociation of acid in water reaction)] (circle one)

Extra Credit Question Is the following (A) combination (B) decomposition reaction (4 pts)  $H_2 CO_3 \rightarrow H_2O + CO_2$  [ (A) or (B) ](circle one)

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Name Na Sign Pr  Ex £va Credit - 8ui + v  Please show work for full credit and partial credit on all a work).	guestions (even those which do not specify show
1. a. Balance the following reaction by filling in	n the blank with the appropriate number. (6 pts)
$Ti + \underline{\qquad} Cl_2 \Rightarrow \underline{\qquad} TiCl_4$	
2. For the following energy diagram, label by match: (A) Energy (B) time or progress of reaction (C) reaction	
3. Given the following reactant, write down the experience be balanced. (6 pts, 3 pts each blank)	ected reaction product. Reaction does not need to
HI + K OH →(aq) +	(1)
The reaction that you show is a (2 pts)	
[(acid base reaction) or (combustion reaction) or (dissocia	ation of acid in water reaction)] (circle one)
Extra Credit Question Is the following (A) combination	on (B) decomposition reaction (4 pts)

 $H_2 + O_2 \Rightarrow H_2O[(A) \text{ or } (B)] \text{ (circle one)}$ 

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EX Eva Credit - Gui Z redu

Please show work for full credit and partial credit on all questions (even those which do not specify show work). Balance the following reaction by filling in the blank with the appropriate number. (6 pts) 1. a. Na +  $Br_2 \rightarrow 2 Na Br$ 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)  $C_7H_{16} + O_2 \rightarrow$  \_\_\_\_\_\_(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)

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

**Extra** Credit Question

 $H_2 + O_2 \rightarrow H_2O[(A) \text{ or } (B)]$  (circle one)

 $H_2 CO_3 \rightarrow H_2O + CO_2$  [(A) or (B)](circle one)