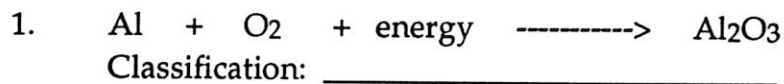


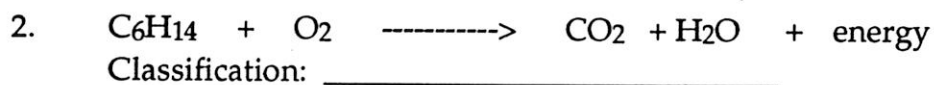
Chem 11 Review: Chemical Equations

Balance each of the following equations, indicating whether they are exothermic or endothermic, and classifying them as synthesis, combustion, decomposition, single replacement, double replacement, or water forming reactions. If the equation is balanced, write *balanced* after the equation.



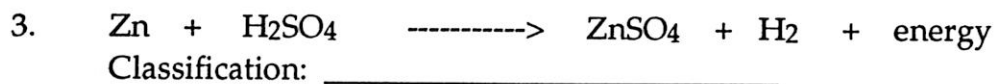
Select either (a) or (b)

- (a) endothermic _____
(b) exothermic _____



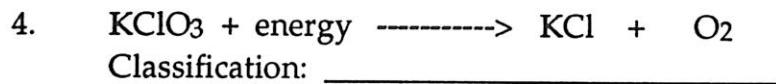
Select either (a) or (b)

- (a) endothermic _____
(b) exothermic _____



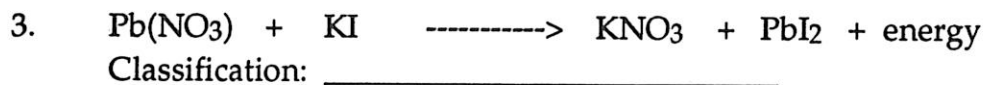
Select either (a) or (b)

- (a) endothermic _____
(b) exothermic _____



Select either (a) or (b)

- (a) endothermic _____
(b) exothermic _____



Select either (a) or (b)

- (a) endothermic _____
(b) exothermic _____

In the spaces provided write balanced equations for the following word reactions. Classify these reactions and indicate whether they are endothermic or exothermic. (11 marks total)

6. Antimony plus iodine (diatomic) plus energy yields antimony triiodide.

7. lead II nitrate plus potassium iodide yields potassium nitrate plus lead II iodide plus energy.