Be sure to show all work, use the correct number of significant figures, circle final answers and use correct units in all problems.

1.	1. Write and balance the following reactions: (14 points)	
	<ul><li>a. Calcium iodide is formed from its elements</li><li>b. Molybdenum(III) selenide decomposes to its elements</li></ul>	
c. Combustion of butane, $C_4H_{10}$ .		
	d. Gallium reacts with a solution of zinc(II) nitrate.	
e. A bright white precipitate forms when solutions of silver(I) nitrate and potassium iodide react.		
	f. Sodium hydroxide neutralizes hy	drochloric acid.
2. Classify each of the above reactions: (1 point each)		
	a.	d.
	b.	e.
	c.	f.