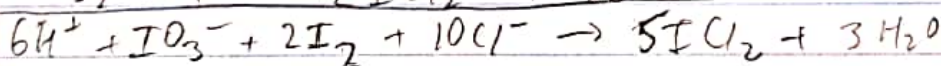
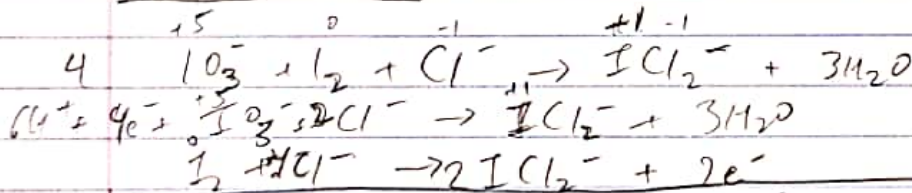
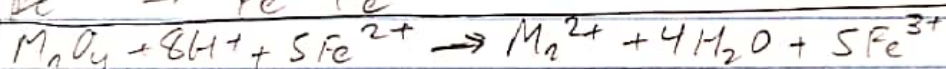
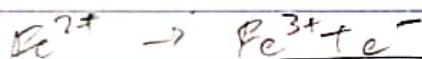
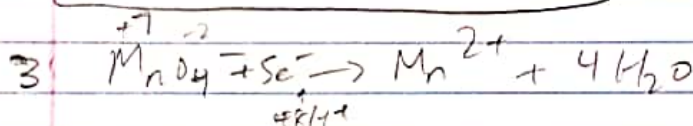
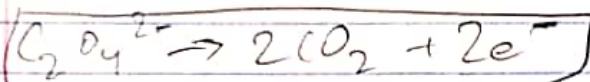
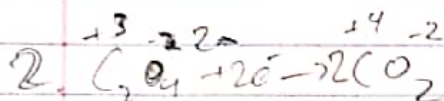
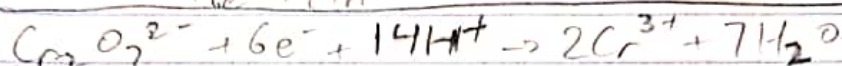
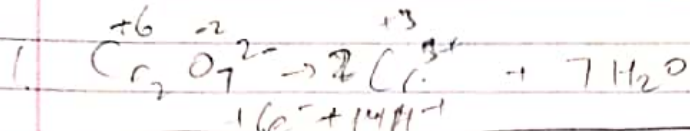


CH 362 Quiz 1

May Shi I pledge my honor that I have abided by the Stevens Honor System. My ID#



6. $\text{KIO}_3 = 39.098 + 126.904 + 3(15.999) = 213.999 \text{ g/mol.}$

$0.0250 \text{ M} = \frac{x}{0.250 \text{ L}} \Rightarrow x = 0.00625 \text{ mol}$

$\times 213.999 = 1.337 \text{ g KIO}_3$

7. $25 \text{ drops} \times \frac{0.05 \text{ mL}}{1 \text{ drop}} = 1.25 \text{ mL (new barrel reading)}$

8. $0.2500 \text{ M} = \frac{x}{2 \text{ L}} = 0.5000 \text{ mol.}$

$12.10 \text{ M} = \frac{0.500}{\text{L}} \Rightarrow \text{L} = \frac{0.500}{12.10} = 0.0413 \text{ L}$

A. 41.30 mL

9. C. 25.00 mL

10. E. $\text{Na}_2\text{S}_2\text{O}_3$