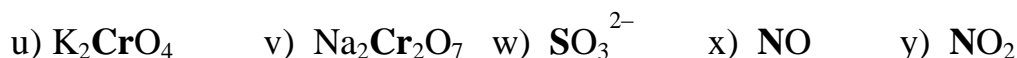
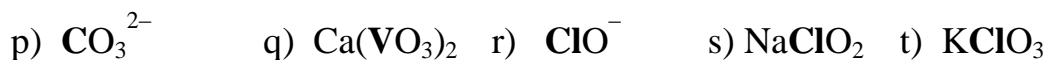
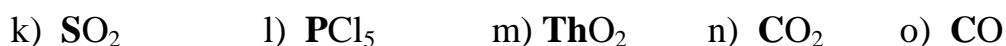
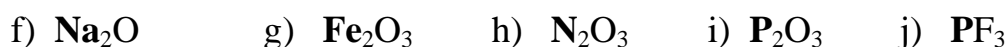
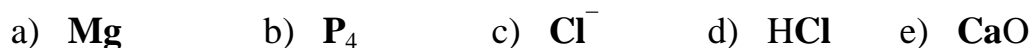


Lab (/25)

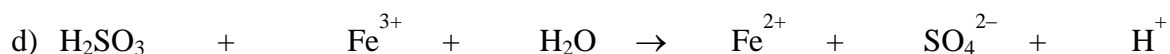
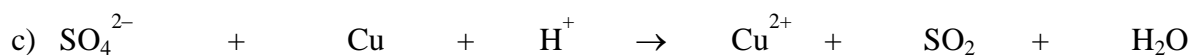
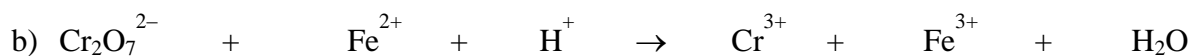
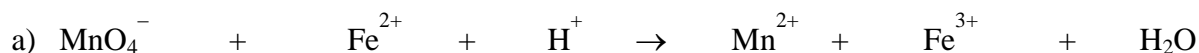
1. Titration Lab: Write the following:

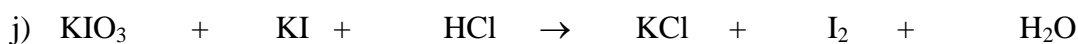
- **Purpose:** 2-3 sentences stating why we performed this lab
- **Observations:** hand in completed lab data sheet
- **Sample calculations:** for calculations done, do **1 sample calculation** to show how values were determined
- **Conclusion:** In a paragraph, discuss the following:
 - Lab A-1: % purity you found of the KOH and discuss why the purity of a “tech grade” substance may not be 100%
 - Lab A-2: compare mass content you found in tablets with the value identified on the label
 - Lab A-3: state molar mass and identity of salt you used. Compare with real molar mass & identity.
 - Lab A-4: Compare your 2 answers. Which do you think is more accurate? Why?
 - Lab A-5: state molar mass and identity of the carbonate you used. Compare with real molar mass & identity.
 - Lab A-6: State % ammonia found in commercial cleaner. Compare with value found on container.
 - State any errors or improvements to future labs!

2. **Assign Oxidation numbers** to the elements in bold print. **Answer on this page! (/25)**



3. **Balance** the following eq'ns taking place using oxidation #'s. **Put final answer on this page!** Attach work on a separate page. (3 marks each = /30)





4. **Balance** the following eq'ns taking place using half-reaction method. **Put final answer on this page!** Attach work on a separate page. (5 marks 3ach = /20)

