

Chem 12 Lab 2.1: FeSCN^{+2} Equilibrium Constant

NAME: _____

Due date: _____

THIS IS A FULL FORMAL LAB REPORT.

Follow the Lab report format (multi-page guide) given to you by Mrs. Toombs!!!! (see website)**

Section	Marks allotted
Proper lab format followed** All sections are in order	2
Lab report is legible, easy to read, and looks like a good copy (not a rough draft). This lab should be TYPED UP. Calculations may be hand-written in pencil. Lab must be printed and ready for submission BEFORE the due date / time. Emailed labs will NOT be accepted. Printing the lab during the class on the due date means the lab report is being submitted late. (see →)	1 1 1
Purpose	1
Materials	2
Procedure	3
Observations	2
Data TABLE 1	2
Calculations 1. Show all calculations necessary for columns A and B 2. For columns D, E, and F, show "I.R.E." or ICE analysis for EACH OF THE FIVE TUBES, including your calculation for the K_{eq} value for each tube. 3. Calculate the average K_{eq} value for your experiment.	2 3 1
Questions 1 2 3 4	2 2 2 3
Sources of Error	3
Analysis of accepted values	3
Relevant Theory	3
Conclusion	1

TOTAL

/40

****Staple this page to the BACK of your lab report when you hand it in.**

→ Students who do not have the report ready to hand in, at the start of the class in which it is due, will be given an additional 8 mark research question. In order to received >32 / 40 on this lab, the additional question must be completed and submitted for evaluation, 48 hours after receiving it.