CHM110H5F Midterm Exam 1 – 08:00 am EST, Oct. 4th, 2021

Instructor: Dr. David Armstrong

Student Name: **Student #:**

This test has four (4) questions and five (5) pages. Responses may either be typed into this document or hand-written and inserted as images, or a combination thereof. The completed test must be uploaded to Crowdmark as either a .pdf, .jpeg, or .png file no later than 09:15 am EST on Monday, October 4th, 2021. If you are unable to upload to Crowdmark, you may alternatively submit by email to CHM110@utoronto.ca .

To receive full marks, you must show all calculation steps and your final answer must have the correct number of significant figures.

Useful information:

Atomic masses:

H – $1.008\ g/mol$

C – $12.011\ g/mol$

N – $14.007\ g/mol$

Errors in Volumetric Glassware

Glassware	Error
Beaker (1000 mL)	+/- 50 mL
Erlenmeyer flask (1000 mL)	+/- 50 mL