

Exam 1 will be held on Wednesday July 8, 2020

Testing time and window will be announced.

It will be a 75-minute online multiple choice exam in Canvas.

Attention: You will not be able to view the previous question after submission.

It will be Open Textbook, Open Lecture Notes and Open Lecture Videos.

Help From People or The Internet Is Not Allow during the Exam!!!

Please Do Your Own Work!!!!

Chapter 1: Introduction to Chemistry

Precision and accuracy

Units of measurement

SI units

Significant figures

Dimensional analysis

Temperature

Density

Chapter 2: Atoms and Molecules

Atomic structure

Isotopes

Ions

Chemical formula and bonding

Periodic table

Naming compounds

Chapter 3: Molecules, Moles and Chemical Equations

Writing and balancing chemical equations

Solutions

Acid-Base reactions

Avogadro's number

Mole

Molar Mass

Molarity

Dilution

Chapter 4: Stoichiometry

Reaction stoichiometry

Limiting reagent/reactant

Theoretical yield

Actual yield

Percent yield

Solution stoichiometry

Chapter 5: Gases

Properties of gases

Ideal Gas Law

Measuring pressure

Charles's Law

Avogadro's Law

Boyle's Law

Partial pressure

Gas stoichiometry

STP

Kinetic-Molecular Theory

Real gases

Van der Waals equation and correction