

GE1357 Introduction to Chemistry

Chemistry is unique among all the sciences because it is the only discipline that routinely and on a daily basis **creates entirely new forms of matter.**

Because of its vital role in shaping so many aspects of modern life, **serious study of chemistry at a fundamental level should be part of every well-educated person's university experience.**



Department of Chemistry

香港城市大學
City University of Hong Kong

GE1357 Introduction to Chemistry

Level

- B1 course
- Three credit units

Assessments

40% Coursework

- Tutorials and online assignments
- Laboratory work and in-class reports / online quizzes

60% Final Examination

- Multiple-choice questions

Course Content

- Atoms, Molecules, and Ions
- Electronic Structure of Atoms
- Periodic Properties of the Elements
- Basic Concepts of Chemical Bonding
- Molecular Geometries and Bonding Theories
- Liquids and Intermolecular Forces
- Properties of Solutions
- Chemistry of Life: Organic and Biological Chemistry
- Gases
- Chemical Kinetics
- Chemical Equilibrium
- Thermochemistry

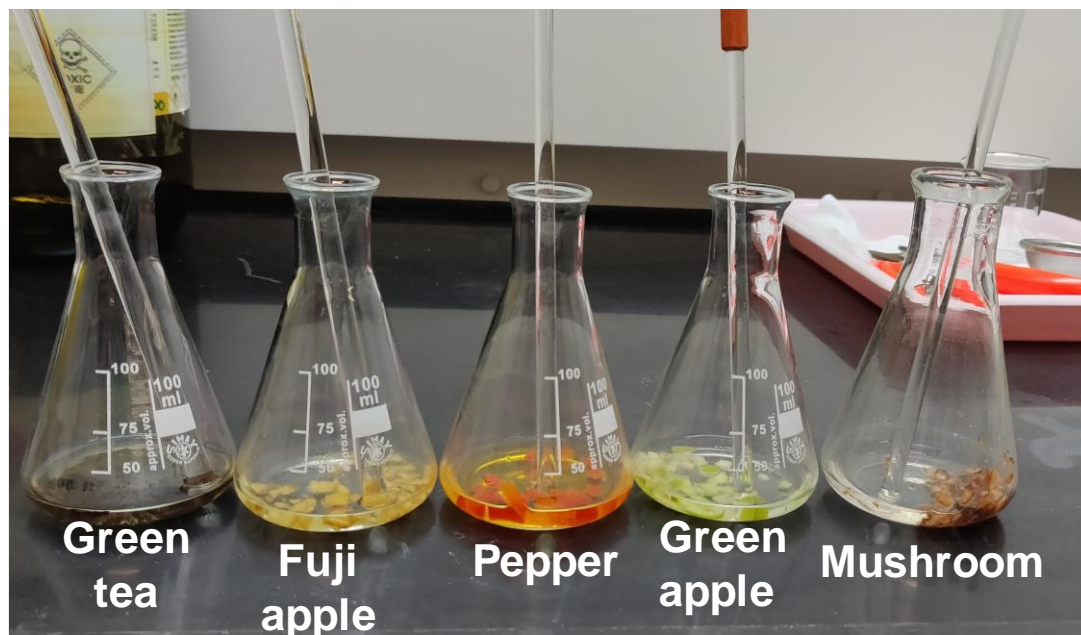
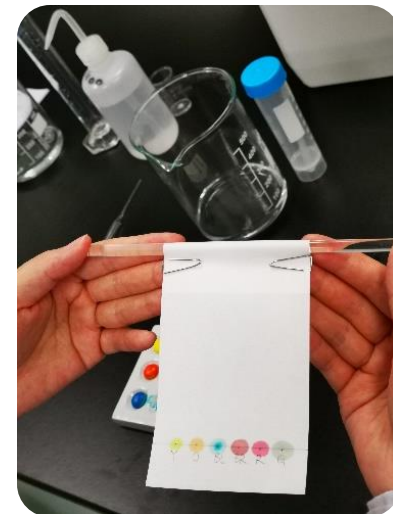
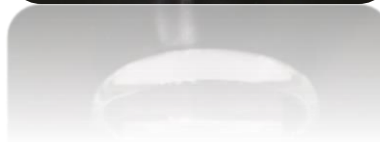
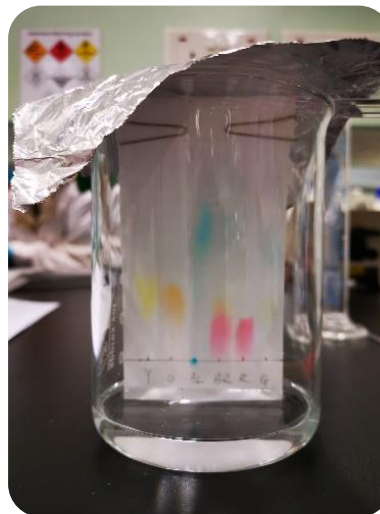
Methylene blue



Glucose



Potassium hydroxide



Strong ← Antioxidant Capacity → Weak

