



## 2020 Syllabus

**Objective:** to provide a general idea about the concepts that may appear in the competition

**Scope:** the syllabus covers the major concepts that are critical to holistic understanding of Chemistry.

**What it is not:** the syllabus is not meant to be exhaustive or detailed.

	Areas	Concepts
	1. Practical	Instrument Process Evidence Safety Environment
	2. Matter	Atom Molecule Element Compound Ion Charge Bond Structure Energy Phase
	3. Reactions	Formula Reaction Conservation Balance Equilibrium Compound Class Acid-Base-Salt Neutralization

	4. Stoichiometry	Mole Mass Volume Density Conservation of Mass Concentration Solution
	5. Periodicity	Periodicity Group Period Metal & Nonmetal Electronegativity Reactivity
	6. Others	Anything not covered by the above areas and concepts