

Chemistry
Semester 1 Exam Blueprint
2022-23

The district common exam for Chemistry will be given during exam week. The table below contains the standards that are to be assessed and the number of questions. All questions on this assessment are multiple choice.

| Standard | Topic and Description | Number of Questions |
|---------------------|--|----------------------------|
| SC.912.P.8.2 | Matter & Change: Differentiate between physical and chemical properties and physical and chemical changes of matter. | 3 |
| SC.912.P.8.4 | Atomic Theory: Explore the scientific theory of atoms (also known as atomic theory) by describing the structure of atoms in terms of protons, neutrons and electrons, and differentiate among these particles in terms of their mass, electrical charges and locations within the atom. | 3 |
| SC.912.P.8.5 | Periodic Table: Relate properties of atoms and their position in the periodic table to the arrangement of their electrons. | 3 |
| SC.912.P.8.7 | Formulas: Interpret formula representations of molecules and compounds in terms of composition and structure. | 3 |
| SC.912.P.10.9 | Quantum Theory: Describe the quantization of energy at the atomic level. | 3 |
| SC.912.P.8.1 | States of Matter: Differentiate among the four states of matter. | 3 |
| SC.912.P.8.3 | Atomic Theory: Explore the scientific theory of atoms (also known as atomic theory) by describing changes in the atomic model over time and why those changes were necessitated by experimental evidence. | 3 |
| SC.912.P.8.6 | Bonding Forces: Distinguish between bonding forces holding compounds together and other attractive forces, including hydrogen bonding and van der Waals forces. | 3 |
| SC.912.P.10.18 | Electromagnetism: Explore the theory of electromagnetism by comparing and contrasting the different parts of the electromagnetic spectrum in terms of wavelength, frequency, and energy, and relate them to phenomena and applications. | 3 |
| Total Points | | 27 |