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<b>Subject Code:</b> STEM08	<b>Subject Title:</b> General Chemistry 2

### 1. What is General Chemistry 2?

General Chemistry 2 is typically a continuation of General Chemistry 1, covering more advanced concepts and topics in the field of chemistry. It is often a part of a college-level chemistry curriculum. The course delves deeper into areas such as thermodynamics, kinetics, quantum mechanics, electrochemistry, and more, providing a more comprehensive understanding of the principles that govern chemical reactions and properties.

### 2. Expectations in General Chemistry 2:

- Deeper Understanding: I expect to gain a deeper understanding of the fundamental principles of chemistry, especially those related to more advanced topics.
- Application of Concepts: I hope to be able to apply the concepts learned in General Chemistry 1 to more complex scenarios and problems.
- Practical Skills: I anticipate developing practical laboratory skills that go beyond the basics and involve more sophisticated experiments.
- Preparation for Advanced Courses: I expect the course to lay a solid foundation for more advanced chemistry courses in the future.

### 3. Expectations for the Teacher:

- Clarity in Instruction: I expect the teacher to present complex concepts with clarity, ensuring that students can grasp the material effectively.
- Engaging Teaching Style: A teacher who employs engaging teaching methods, such as real-world examples and interactive activities, can make the subject more interesting and understandable.
- Availability for Questions: A willingness to help and address students' questions or concerns is crucial for fostering a positive learning environment.
- Feedback on Progress: Regular feedback on assignments and assessments will help me track my progress and identify areas for improvement.

### 4. Interesting Topic in General Chemistry 2:

One specific topic that I find particularly interesting in General Chemistry 2 is Quantum Mechanics in Chemistry. This topic explores the behavior of atoms and molecules at the quantum level, incorporating principles like wave-particle duality and the Heisenberg uncertainty principle. Quantum mechanics provides a fascinating perspective on the electronic structure of atoms, explaining phenomena such as atomic orbitals and electronic configurations. Understanding how quantum mechanics underpins chemical bonding and molecular structure adds a layer of complexity to the subject, making it intellectually stimulating and revealing the intricate nature of the molecular world.