



Course Content

Term 3 begins with the completion of Chapter 17 of Unit 2, carrying over from Term 2. The course for this term begins with the topic of salt preparation, for both soluble and insoluble salts, and the theories of acids and bases. Most of the salts to be covered include nitrates, chlorides, sulfates, carbonates and hydroxides. Students will also be introduced to experiments that will allow them to prepare a pure and dry sample of soluble salts, utilizing an insoluble reactant.

Chapter 18 will focus on a series of chemical tests, which include the detection of various gases and identifying different flame colors to determine the presence of particular cations, or positive ions. In addition, tests for detecting specific anions, or negative ions, such as sulfates and carbonates, will be introduced. Testing for the presence of water utilizing anhydrous copper(II)sulfate will be covered.

There will be a sectional test written for these two chapters. Grades are based on the sectional tests and the grades from term to term are cumulative. The final exam will be comprehensive.

Resources

1. Edexcel International GCSE (9-1) by J Clark, S Owen and R Yu, Pearson, London, 2017 (Pp. 173-205).

Additional resources will be posted on Google Classroom.

Assessment

- Sectional tests after every two chapters: 50%
- Laboratory Practicals: 20%
- Assignments: 20%
- Class work, Notebook, and Homework: 10%