

NAME

## SECOND TERM E-LEARNING NOTES

SUBJECT: CHEMISTRY

CLASS: SS1

SCHEME OF WORK

WEEK	TOPIC
1.	<b>Revision of last terms work</b>
2.	<b>Gaseous state and gas laws:</b> State of matter, kinetic theory of gases, applications of kinetic theory of gases, and phenomena to illustrate kinetic theory of matter
3.	<b>Gaseous state and gas laws:</b> Boyle's laws, Charles' law, general gas law and ideal gas law
4.	<b>Gaseous state and gas laws:</b> Gay- Lussac's Law and Avogadro's Law, Graham's law of diffusion, Molar volume of gases- Avogadro number and the mole, concept, Dalton's law of partial pressure
5.	<b>Standard Separation Techniques for mixtures:</b> compound and mixture, separating a mixture of two solids, separating a mixture of an insoluble solid and a Liquid, separating a soluble solid from a liquid
6.	<b>Standard Separation Techniques for mixtures:</b> separating a soluble Solid from a liquid, separating a mixture of two or more liquids, Chromatography
7.	Mid – term break and holiday assignment
8.	<b>Standard Separation Techniques for mixtures:</b> Flootation, Frostation (Froth flootation). Pure and impure substances. Test for purity
9.	Revision
10.	Examination

REFERENCE TEXTS:

- 1 .Comprehensive Certificate Chemistry for Senior Secondary Schools by G N C Ohia et al

# 2nd Term Chemistry Note For Ss1

**Guy B. Marin**



## 2nd Term Chemistry Note For Ss1:

**Advances in Chemical Engineering** Guy B. Marin, 2006-11-10 The theme of the present volume of Advances in Chemical Engineering is Computational Fluid Dynamics CFD and aims to show the state of the art of the application of CFD in chemical engineering The volume is made up of five complementary contributions providing a style of between a tutorial and a research paper Some contributions are entirely limited to velocity and temperature fields Others emphasize the difficulties associated with the combination of transport and reaction Contributions include dealing with the simulation of gas liquid bubble columns and gas liquid solid fluidized beds Addressing the different levels of modeling that are required in order to cover the full spectrum of length scales that are important for industrial applications Stirred turbulent vessels and the chemical reactions The importance of chemical reaction kinetics and the interaction with transport phenomena Finally looking at reactor engineering the catalytic fixed bed reactor Original reviews Leading chemical engineers as authors Reviewing the state of the art of Computational Fluid Dynamics CFD

**Salters Advanced Chemistry** George Burton, 2000-07-31 The texts in the Salters Advanced Chemistry series have been updated to match the specifications for A Level Chemistry from September 2000 This supplement pack is designed to help teachers to use the original editions of the texts until they can be replaced

**Physics, Chemistry and Mechanics of Surfaces**, 1991

**Low Temperature Physics and Chemistry**, 1982

**Russian Journal of Physical Chemistry**, 1981

Journal of the Chemical Society, 1989

**Cheese** Paul L.H. McSweeney, Paul D. Cotter, David W Everett, Rani Govindasamy-Lucey, 2025-06-16 Cheese Chemistry Physics and Microbiology Fifth Edition provides a comprehensive overview of the chemical biochemical microbiological and physico chemical aspects of cheese taking the reader from rennet and acid coagulation of milk to the role of cheese and related foods in addressing public health issues This updated revision the most comprehensive work on the science of cheese addresses from the basic definition of cheese to the diverse factors that affect its quality Understanding these fermented milk based food products is vital to a global audience with the market for cheese continuing to increase even as food ingredient Divided in two volumes this book contains by far the most comprehensive coverage of the scientific aspects of this important dairy product covering all aspects of cheese manufacture and ripening from the standpoint of basic science vol 1 In addition coverage is included of all major families of cheese vol 2 Thoroughly revised edition brings updated new chapters that cover cheese structure digestibility acid curd and acid heat coagulated cheeses Offers practical explanations and solutions to challenges including case studies Presents content that is ideal for those learning and practicing the art of cheesemaking at all levels of research and production

*Advances in Plant Sprouts* Ishrat Majid, Bababode Adesegun Kehinde, Basharat Dar, Vikas Nanda, 2023-10-30 The demand for plant foods in all global markets has been increasing along with awareness of greenhouse gases generated from animal farming expanded sentiments against animal slaughtering and common perception of the health benefits of plant food products Accordingly more attention has

been placed on green processing of plant foods for the optimization of their nutritional and health benefits Sprouted vegetable products have been studied and reported in many scientific investigations to qualitatively improve the phytochemistry enhance the nutritional profile and improve the biological functionality potentials of such vegetables beyond their initial natural states Vegetable sprouts have been reported to possess aspects that make them serviceable for the management of metabolic syndrome disorders such as diabetes hypertension cancer and other health issues related to cellular oxidation of body cells and antimicrobial bioactive components have been isolated from vegetable sprouts Advances in Plant Sprouts Phytochemistry and Biofunctionalities provides a singular source on recent advances in studies about the dietetic and nutraceutical potencies of vegetable sprouts and increases awareness on the possibility of processing plant foods to make them more nutritionally beneficial Green production is another important aspect of this text since plant foods processed by sprouting are free of agrochemicals consume less energy and utilize less manpower making them easy to produce and environmentally friendly as well Consumption and production of sprouted vegetables has been increasing in recent years and this text covers the production and nutritional aspects of all the major sprout groups Index Medicus ,2002 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings *Doklady* ,1996 **Evidence for Charge Transfer in the Photoreduction of -ga-s- Trifluoroacetophenone by Alkyl Benzenes** Richard Alan Leavitt,1971 **Physics Briefs** ,1994 *Current Index to Statistics, Applications, Methods and Theory* ,1999 The Current Index to Statistics CIS is a bibliographic index of publications in statistics probability and related fields Chemistry Gavin Whittaker,2001 **Notes on the Chemical Lectures** John Marshall,Theodore George Wormley,1894 **Notes in Chemistry 2** Samuel Cabot Almy,1913 **Mastering Chemistry Form 2 Student's Book** Peter J. Holmes,Karin H. Kelder,2015-10-29 **NCEA 2 Chemistry Fold-out Notes** ,2014 Presents the concepts explanations and examples needed to successfully complete NCEA Level 2 Chemistry Discovering Chemistry- 2 ,2002

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