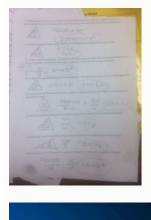
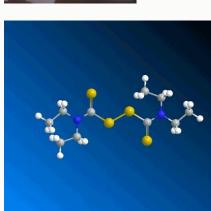
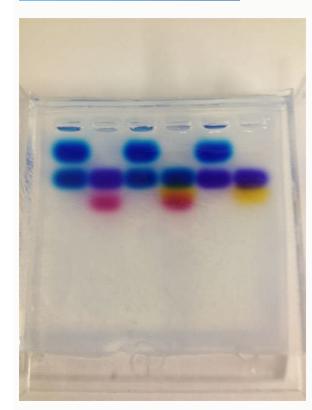
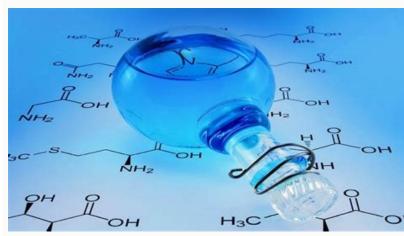
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Scientific method: A systematic method used to solve problems in science 6. Making observation • Gathering information about a phenomenon using our 5 senses: sight, hearing, smell, taste & touch Making inference • Making a smart guess or a tentative explanation about the phenomenon based on the observation Identifying problem • Asking question(s) based on the inference made Making hypothesis • Making a general statement about the relationship between a manipulated variables of the manipulated how to keep the fixed variable(s) constant Planning and experiment • Determining what materials and apparatus to use, procedure of the experiment, method to collecting data & ways to analysis and interpret the collected data Collecting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting data • Making observations or measurement and the recording the data systematically 8. Interpreting the data s Organizing and analysing data Making conclusion • Making statement about the outcome of the experiment and whether the hypothesis is accepted or rejected Writing report 9. • Scientific attitudes and noble values must be practiced by a chemist who wants to carry out an investigation 10. Summary • Copy the summary map (Textbook, page 7). Then, complete it using the guides given. 1 Chemistry 1 Chapter 1 Notes Introduction to Chemistry 2 3 The Branches of Science Science is divided into Biological science and Earth science and Earth science. 4 5 Chemistry is the study of matter and the changes that it undergoes. 6 Matter is anything that has mass and takes up space (volume). 0c7xM 7 Mass is a measurement that reflects of gravity on that matter. 9 10 There are 5 traditional branches of chemistry; organic chemistry, inorganic chemistry, inorganic chemistry, inorganic chemistry. physical chemistry, analytical chemistry and biochemistry and biochemistry and biochemistry and biochemistry and biochemistry and conclusion. 12 Typical steps of the scientific method include observation, hypothesis, experiment, data analysis, and conclusion. 13 A hypothesis is a testable statement or prediction. 14 An experiment is as set of controlled observations that tests the hypothesis. 15 In a controlled experiment only one variable is changed, all other variables are controlled or kept the same. 16 Controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled or kept the same. 16 Controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed, all other variables are controlled experiments have a controlled experiment only one variable is changed. quantitative data, which deals with numbers; e.g. data which can be measured or counted. 18 6eIcE 6eIcE 22 Section 1.2 Assessment 23 An independent variable is the variable that you change in an experiment. 24 A dependant variable changes in response to a change in the independent variable; it is the variable you measure. 25 A model is a visual, verbal, and\or mathematical explanation of experimental data that can be tested and used to make predictions. 26 A theory is a hypothesis that has been supported by many experiments. 27 Scientific Laws and Theories Theories explain why something happens Laws describe how something works 28 Future testing can prove theory incorrect: example:: the earth is flat Theory was tested and found to be flawed and was abandon 29 A scientific law describes relationships in nature. 30 Scientific methods can be used in pure research for the sake of knowledge, or in applied research to solve a specific problem. 31 Technology is applying scientific knowledge to solve or improve a preexisting solution to a problem, achieve a goal or perform a specific function. 32 33 Section 1.3 Assessment 34 College Prep Chemistry Notes Chemistry Notes Chemistry is the study of matter and the changes that it undergoes. Matter is anything that has mass and takes up space (volume). Mass is a measurement that reflects the amount of matter. Weight is a measure not only of the amount of matter, but also the effects of gravity on that matter. There are 5 traditional branches of chemistry; inorganic chemistry, inorganic chemistry, physical chemistry, analytical chemistry and biochemistry. A chemical is any substance that has a definite composition. Any pothesis, and conclusion. An experiment only one variable is changed, all other variables are controlled or kept the same. Any effect or change can then be attributed to the independent variable. Such experiments have a control that is a standard for comparison. There are two types of data; qualitative data, which deals with descriptions; e.g. data that can be observed but not measured; and quantitative data, which deals with numbers; e.g. data which can be measured or counted. An independent variable is the variable you measure. A theory is a hypothesis that has been supported by many experiments. A scientific law describes relationships in nature. Scientific methods can be used in pure research for the sake of knowledge to solve or improve a preexisting solution to a problem, achieve a goal or perform a specific function. 35 College Prep Chemistry Mr Dillon Chapter 1 Notes :Introduction to Chemistry is the study of matter and the changes that it undergoes. is anything that has mass and takes up space (volume). is a measurement that reflects the amount of matter. is a measure not only of the amount of matter, but also the effects of gravity on that matter. There are 5 traditional branches of chemistry: organic chemistry, chemistry, physical chemistry, analytical chemistry and biochemistry. A is any substance that has a definite composition. Typical steps of the scientific include observation, data analysis, and conclusion. A is a testable statement or prediction. An experiment is as set of controlled observations that tests the hypothesis. In a controlled experiment only variable is changed, all other variables are or kept the same. Any effect or change can then be attributed to the independent variable. Such experiments have a that is a standard for comparison. There are two types of data: data, which deals with descriptions; e.g. data that can be observed but not measured; and data, which deals with numbers; e.g. data which can be or counted. An variable is the variable that you change in an experiment. A variable changes in response to a change in the independent variable; it is the variable you measure. A is a hypothesis that has been supported by many experiments. A scientific describes relationships in nature. Scientific can be used in pure research for the sake of knowledge, or in applied research to solve a specific problem. is applying scientific knowledge to solve or improve a preexisting solution to a problem, achieve a goal or perform a specific function. Your Free Trial Starts Now! For the next 7 days, you'll have access to awesome PLUS stuff like AP English test prep, No Fear Shakespeare translations and audio, a note-taking tool, personalized dashboard, & much more! Thanks for creating a SparkNotes account! Continue to start your free trial. Start free trial of SparkNotes Plus

1. Chapter 1 Introduction to Chemistry and Its Importance • Chemistry is the study of the composition, structure, properties and interactions of matter • In chemistry is the study of the composition, structure, properties and interactions of matter • In chemistry is the study of the composition, structure, properties. How elements interact with each other How to use this knowledge to produce useful new chemicals 3. • A few examples of chemicals: medicine fertilizers glass and optical fibres preservatives cement, concrete & glass cosmetic product detergent & foot technologist geologist pharmacist nutritionist forensic scientist biochemist 5. 1.2 Scientific Method •

Revision Notes for Class 11 Accountancy offered by Vedantu is a step-by-step coverage of all the topics. Our Accountancy Class 11 Chapter 1 Notes aid students to have a quick go-through of the various concepts and variables, which comprise accountancy. Our revision notes for CBSE NCERT books for Class 11 Accountancy provide simple and comprehensible study material as ... 24/3/2021 · 1.1: The Scope of Chemistry Chemistry is the study of matter and the ways in which different forms of matter combine with each other. You study chemistry bear are provided not understand the world around you. Everything you touch or taste or smell is a chemical, and the interactions of these chemicals with each other define our universe. NCERT Solutions Class 11 Chemistry Chapter 1 - Free PDF Download. NCERT Solutions for Class 11 Chemistry Some Basic Concepts of Chemistry Students. The first possible of the internet has been concepts and Fileds in the download button provided below. CHAPTER 1 INTRODUCTION Background of the Study The rise in the use of the internet has led to many changes in our daily life. In particular, this rise has also led to the rise of online gaming can refer to any type of game that some can play through the internet or over a computer network. Electric Charges and Fileds is the first chapter of CBSE Class 12 Physics. Everyone has the experience of watching a spark or hearing a crackle from a sweater during the dry weather. Moreover, this certainly gives rise to an important question that what can be a possible explanation for this particular phenomenon. In our study guide course, we've provided all the resources you'll need to earn a passing score on the CLEP Spanish Language exam. Spanish topics covered include the days of ... Our comprehensive set of study materials acts as a perfect guide when doing homework and preparing for the examination. ... complete the CBSE Class 10 Chemistry Chapter-1 ... Teachers will help giving an introduction and of the syllabus and ways it will help them to improve their ...

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