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## PHYSICAL SCIENCES PAPER 2 (CHEMISTRY)

GRADE 12

### TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC

2021



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# Physical Science Paper 2 September 2014

**David Kirk**



**Physical Science Paper 2 September 2014:**

## **Physical Science Paper 2 September 2014** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the ability of words has been evident than ever. They have the capability to inspire, provoke, and ignite change. Such is the essence of the book **Physical Science Paper 2 September 2014**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall impact on readers.

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web answer the following questions based on the solubility curve below which salt is least soluble in water at 20 c 2 how many grams of potassium chloride can be dissolved in 200 g of water at 80 c 3 at 40 c how much potassium nitrate can be dissolved in 300 g of water w 4 which salt shows the least change

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web solvents the larger volume of the mixture and solutes the smaller volume of the mixture for example a hot chocolate is a solution in which the solute the chocolate powder is dissolved in the solvent the milk or water the solute and solvent can be

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web they should be able to come up with the following answers stir the water increase the temperature and increase the amount of water alternately you may challenge the students to a contest

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web use a solubility curve to determine whether a solution is saturated or unsaturated and to estimate the amount of excess solute that remains undissolved in the solution

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web give results of all calculations in blue cells you must put your answers in the indicated cells as the grade book pulls your data from those cells do not put any units in the number cells use the unit boxes given graph tab transfer from data page the temp and concentration of salt in units of g salt 100 g water

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web 30 09 99 solubility curves class data write down the data answer questions on bottom of the sheet results of lab solubility of  $\text{KClO}_3$  unsaturated saturation and solubility curves in this experiment we expressed concentration in units of g solute g  $\text{H}_2\text{O}$  putting concentrations in g solute g solution would be tedious and impractical see fig 2

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web use the solubility curve to answer these questions determine how much potassium nitrate will dissolve in 20 g of water at 40 c 200 cm<sup>3</sup> of saturated lead ii nitrate solution was prepared at a temperature of 90 c

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web collect experimental data and create a solubility curve by the end of this lab students should be able to properly use an analytical balance to measure mass set up an experimental work station to measure the solubility of a salt in water as a function of the temperature generate a workbook using google sheets prior knowledge

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web 2 days ago study with quizlet and memorize flashcards containing terms like to test the hypothesis above you changed the of the solvent and measured the of a solid therefore the independent variable was and the dependent variable was the results of this lab experiment the hypothesis and more

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web may 29 2018 figure 2 the graph shows the solubility curve of potassium nitrate with corresponding temperatures as the temperature increases so does the solubility of the solution a y 0 2 1 61 b y 0 2 1 61 0 60 2 1 60 61 0 40 2 1 40 61 8 5 g 100

ml 4 6 g 100 ml

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web mar 15 2021 this experiment will further develop your understanding of thermodynamics while relating it to two concepts you already have studied equilibrium and solubility you will determine three thermodynamic values associated with the solubility of potassium nitrate the reaction we will be studying is the dissolution of potassium nitrate in water

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web analysis construct a solubility curve using the mass of solute that will dissolve in 100 g of water at a specified temperature in this lab 5 ml of water was used assume 1 0 g ml of water take the collected data make it proportional to get the solubility of the  $\text{KNO}_3$  graph temperature vs solubility using a best fit curve

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clearance to produce parts accurately and it is often necessary to have components

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and repair through laser based additive processes the industrial maturity of these processes and provide a brief future

outlook in this regard

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web forming dies are typically made by tool and die makers and put into production after mounting into a press differences

between materials for the vacuum forming of plastic sheet only a single form is used typically to form transparent plastic

containers called blister packs for merchandise

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web here are the duties and responsibilities of a tool and die maker tool and die design interpret engineering drawings

blueprints and specifications to create detailed designs for precision machining utilize a variety of machining tools and

equipment including lathes mills grinders and

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web how to become a tool and die maker becoming a tool and die maker involves a combination of education training and

practical experience here s a general roadmap to follow high school diploma or equivalent start by obtaining a high school

diploma or ged

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web tool and die makers must also consider what type of stamping press the die will be used in which are classified

according to their properties and how they are used simple dies perform a single operation in a single stroke compound dies

multiple cutting operations performed in a single

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maker tool designer and operations manager of a large tool and die shop

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web nov 11 2023 a tool and die maker is a machinist who works in the manufacturing industry and makes cutting and

machine tools jigs dies fixtures and other tools used for manufacturing they are skilled artisans who mainly work in tool rooms although they can also work in production facilities other names for this role include instrument technician

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web oct 14 2019 tool and die makers are responsible for designing and building molds dies and fixtures that allow thousands of products to be made every single day they are expected to have knowledge of any machine in the shop and must be able to turn a concept such as a precise drawing or a napkin sketch into reality

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web tool and die manufacturing is a machining method used to create a variety of implements that are important in various manufacturing processes the term tool refers to instruments utilized in fabricating other parts while die creates intricate shaped objects in

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web the distinction will become clear as we proceed with the study the die designer originates designs of dies used to stamp and form parts from sheet metal assemble parts together and perform a variety of other operations in this introduction you will learn basic meanings and the names of various die components then operations that are

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designs into computer programs that produce blueprints for the required tools and dies

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web jan 17 2020 the easiest way to think of the difference between a tool and a die is simply that dies are a subset of tools

all dies are tools but not all tools are dies in metal stamping a tool can be almost any mechanical device

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web nvt technology is a global precision engineering company headquartered in singapore and specializing in precision metal stamping tooling stamping press tooling design and fabrication precision stamping services iso 9001 2015 we have precision cnc machining capabilities including cnc wire cut edm

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web feb 23 2018 the tool and die makers realize the best potential of technology and make best use of it software hardware and good research help them come up with the tool design within a short time so a manufacturing industry needs to make sure that the designers are abreast with the latest technology because this saves their time efforts

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