

ক সেট

জুনিয়র কুল সার্টিফিকেট পরীক্ষা,

বাংলা (সৃজনশীল + বহুনির্বাচনি অধীক্ষা)

প্রথম পত্র

বিষয় কোড :

1 0 1

সময়—৩ ঘণ্টা

কুশিমান—৭০ + ৩০ = ১০০

সৃজনশীল প্রশ্ন

মান—৭০

দ্রষ্টব্য :—ডান পাশের সাহায্য প্রশ্নের পূর্ণমান জ্ঞাপক। প্রদত্ত উদ্দীপকগুলো মনোযোগসহ পড়ে সঠিক প্রশ্নগুলোর উত্তর দাও। ক ও খ বিভাগ থেকে কমপক্ষে দুইটি করে এবং গ বিভাগ থেকে কমপক্ষে একটিসহ মোট সাতটি প্রশ্নের উত্তর দিতে হবে। একই প্রশ্নের উত্তরে সাধু ও চলিত ভাষারীতির মিশ্রণ দৃষ্টনীয়।

ক বিভাগ—গদ্য

- | | নম্বর |
|--|-------|
| ১. জায়েদ হৌদুরী প্যারিসে বসবাস করেন। সেখানে একদিন তিনি আন্তর্জাতিক লোকশিল্প মেলা দেখতে গিয়ে অবাধ বিশ্বে লক্ষ করলেন বাংলাদেশের নর্ভাশি কীচা ও জামদারি শাড়ির সেখানে কত কদর। সেগুলো বিক্রি হচ্ছে বেশ চড়া দামে। তিনি দীর্ঘস্থায়ী ফেলে কলসেন, দেশের মানুষ দেশের পণ্যকে দাম দিতে শিখল না। | |
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[পর পৃষ্ঠা দ্রষ্টব্য]

Jsc Exam Dhaka Board 2014 Question Paper

Anthony S. Fauci



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web basic electrical symbol legend shows a collection of graphic notations used to represent various electrical and electronic devices such as cell battery resistor heater etc basic electrical symbols earth electrode protective earth signal ground cell battery source ideal source resistor alternate resistor variable resistor pre set resistor

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web types of blueprint symbols there are different types of blueprint or graphic symbols i m listing out some useful categories of blueprint symbols architectural blueprint symbols electrical blueprint symbols plumbing blueprint symbols welding blueprint symbols structural steel blueprint symbols blueprint furniture symbols

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web sep 4 2019 analyze the symbol legend every electrical component is represented by a symbol the legend interprets what each one means it s commonly found on the title page of the particular building s plans or on the first page showing electrical drawings

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web may 6 2021 every engineering office uses their own set of electrical symbols however the symbols below are fairly common across many offices refer to the legend sheet in your set of plans for special symbols used in a particular set

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web the most commonly used electrical blueprint symbols including plug outlets switches lights and other special symbols such as door bells and smoke detectors are shown in the figure below note explanations for common household electrical items such as three way switches and switched duplex plug outlets are below the figure notes

lab 1 ksp of calcium hydroxide thesoloseniorinapchem - Mar 22 2022

web jan 26 2016 the solubility product or ksp is a way of showing how effective a chemical is at dissolving into an aqueous solution the higher the ksp the more the chemical will dissolve into that solvent for this lab calcium hydroxide is created then ionized Ca(OH)_2 when calcium is put in water reacts as follows $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$

solubility product of calcium hydroxide chem lab - Aug 07 2023

web k sp of calcium hydroxide 1 author j m mccormick last update october 13 2013 introduction an equilibrium constant K is related to ΔG for a process through eqn 1 and as long as ΔH and ΔS are independent of temperature eqn 1 can be combined with eqn 2 to determine ΔH and ΔS from the temperature dependence of K

determining the ksp of calcium hydroxide youtube - Mar 02 2023

web sep 18 2020 in this experiment we will titrate a saturated calcium hydroxide solution with a standardized hcl solution we will determine the hydroxide ion concentration for the saturated calcium hydroxide

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web your primary objective in this experiment is to test a saturated solution of calcium hydroxide and use your observations and measurements to calculate the ksp of the compound you will do this by titrating the prepared Ca(OH)_2 solution with a standard hydrochloric acid solution

chem 114 exp 9 mike university of rhode island - May 04 2023

web in today s experiment you will determine the solubility product ksp of calcium hydroxide Ca(OH)_2 by measuring the concentration of Ca(OH)_2 in a saturated solution calcium hydroxide is a sparingly soluble salt that dissolves according to the following reaction the solubility product expression for this reaction is

solved chem 182 determining the ksp of calcium hydroxide chegg - Feb 18 2022

web expert verified chem 182 determining the ksp of calcium hydroxide calcium hydroxide is an ionic solid that is sparingly soluble in water a saturated aqueous solution of Ca(OH)_2 is represented in equation form as shown below $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$ the solubility product expression describes in mathematical terms the equilibrium

ksp for calcium hydroxide university of manitoba - Dec 31 2022

web ksp for calcium hydroxide calcium hydroxide is a soft white caustic powder used in making mortar cements calcium salts paints and petrochemicals it is also used in saltwater aquaria to make up kalkwasser limewater solutions for reef tanks and is

used as a pH regulating agent notice that calcium hydroxide is divalent and thus has twice

k_{sp} calcium hydroxide chem132 determination of the k_{sp} of calcium - Jun 24 2022

we use the concentration of calcium hydroxide to calculate the concentration of calcium ions and hydroxide ions in the solution $\text{Ca(OH)}_2 \rightarrow \text{Ca}^{2+} + 2\text{OH}^-$ $5 \times 10^{-2} \text{ M}$ calcium ions $5 \times 10^{-2} \text{ M}$ 0 M hydroxide ions calculate calcium hydroxide K_{sp} using the concentrations of calcium ions and hydroxide ions

solubility of calcium hydroxide wpmu dev - Oct 29 2022

web madison bowe elana keller april 15 2014 introduction the objective of this lab was to measure the K_{sp} of a slightly soluble basic salt and how solubility changes with temperature K_{sp} is another form of equilibrium expression that deals with solubility the reaction that will take place is $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$

solved experiment 8 determining k_{sp} for calcium hydroxide - Aug 27 2022

web question experiment 8 determining K_{sp} for calcium hydroxide post lab report sheet data table 2 points trial 1 trial 2 HCl molarity 0.050 M volume of filtered Ca(OH)_2 solution mL 5.00 5.00 3.71 13.75 equivalence point volume mL OH^- in saturated Ca(OH)_2 M Ca^{2+} in saturated Ca(OH)_2 M K_{sp} of Ca(OH)_2 average K_{sp} of Ca(OH)_2

chemistry 1210 lab 11 experiment 11 determining the k_{sp} of calcium - Sep 08 2023

web the chemical equation used was $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$ the solubility product was determined to be $K_{sp} \text{ Ca}^{2+} \text{ OH}^-$ from the titration which was made by dripping a concentrated solution of calcium hydroxide into hydrochloric acid the calcium hydroxide was filtered before starting the titration

18.1 solubility product constant k_{sp} chemistry libretexts - Feb 01 2023

web jul 12 2023 because the concentration of a pure solid such as $\text{Ca}_3(\text{PO}_4)_2$ is a constant it does not appear explicitly in the equilibrium constant expression the equilibrium constant expression for the dissolution of calcium phosphate is therefore $\text{Ca}_3(\text{PO}_4)_2 \rightleftharpoons 3\text{Ca}^{2+} + 2\text{PO}_4^{3-}$ $K_{sp} \text{ Ca}_3(\text{PO}_4)_2$

post lab report 8 determining the k_{sp} of calcium hydroxide - Jul 06 2023

web lab report 8 determining of calcium hydroxide the purpose of this was to titrate a saturated Ca(OH)_2 solution with a standard HCl solution and find the K_{sp} or the OH^- concentration was found and then the concentration was found and u for this experiment a titration of calcium hydroxide with hydrochloric acid

solved determining the k_{sp} of calciumhydroxide - Apr 22 2022

web question determining the K_{sp} of calciumhydroxide $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$ for this experiment the titration of calciumhydroxide with hydrochloric acid was investigated determining the K_{sp} of calcium hydroxide $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$ for this experiment the titration of calcium

solved chem 182 experiment 8 determining the k_{sp} of calcium chegg - Sep 27 2022

web question chem 182 experiment 8 determining the ksp of calcium hydroxide calcium hydroxide is an ionic solid that is sparingly soluble in water solution of Ca(OH)_2 is represented in equation form lution of Ca(OH)_2 is an ionic solid that is sparingly soluble in water a saturated aqueous as shown below

determination of the ksp of calcium hydroxide autosaved - Jun 05 2023

web therefore it was determined through error calculations and ease of use that the most reliable valid method to use to get the closest ksp value to the theoretical ksp for Ca(OH)_2 was the determination through ph method 2 introduction calcium hydroxide is a strong base soluble in water

exp 4 determining the solubility product constant ksp of calcium - Jul 26 2022

web plasma membrane homework symbiosis practice worksheet benzoin condensation grade a determining the ksp of calcium hydroxide after reading the lab complete items a b c and d title purpose chemicals and equipment and summary of procedure as described on page 10 of exp 1 on an 8 1 2 x 11 sheet of paper

lab 9 determination of the solubility product ksp chegg com - May 24 2022

web question lab 9 determination of the solubility product ksp of calcium hydroxide introduction ionic compounds that are classified as insoluble based on solubility rules are actually slightly soluble each of these insoluble compounds actually dissolves to

experimental determination of the solubility product of calcium hydroxide - Nov 29 2022

web we will filter the solid calcium hydroxide from the solution and then titrate the dissolved calcium hydroxide in solution with a known concentration of hydrochloric acid using titrimetric calculations we will determine the Ca^{2+} and OH^- concentrations in solution

ksp of calcium hydroxide lab report for determining the ksp of - Oct 09 2023

web calculate the ksp for calcium hydroxide $\text{ksp Ca(OH)}_2 = 5 \times 10^{-6}$ find the accepted value of the ksp for calcium hydroxide and compare it with your value discuss the discrepancy and suggest possible sources of experimental error accepted value for ksp for sodium hydroxide is 5×10^{-6}