

LABORATORY ASSESSMENT 27

Name _____

Date _____

Section _____

The **27** corresponds to the indicated Learning Outcomes found at the beginning of the Laboratory Exercise.

Nervous Tissue and Nerves

PART A: Assessments

Match the terms in column A with the descriptions in column B. Place the letter of your choice in the space provided.

Column A

- a. Astrocyte
- b. Axon
- c. Collateral
- d. Dendrite
- e. Myelin
- f. Neurolemma
- g. Neurofibrils
- h. Nissl bodies (chromatophilic substance)
- i. Unipolar neuron

Column B

- _____ 1. Sheath of Schwann cell containing cytoplasm and nucleus that encloses myelin
- _____ 2. Corresponds to rough endoplasmic reticulum in other cells
- _____ 3. Network of threadlike structures within cell body and extending into axon
- _____ 4. Substance of Schwann cell composed of lipoprotein that insulates axons and increases impulse speed
- _____ 5. Neuron process with many branches that conducts an action potential (impulse) toward the cell body
- _____ 6. Branch of an axon
- _____ 7. Star-shaped neuroglia between neurons and blood vessels
- _____ 8. Nerve fiber arising from a slight elevation of the cell body that conducts an action potential (impulse) away from the cell body
- _____ 9. Possesses a single process from the cell body

PART B: Assessments

Match the terms in column A with the descriptions in column B. Place the letter of your choice in the space provided.

Column A

- a. Effector
- b. Ependymal cell
- c. Ganglion
- d. Interneuron (association neuron)
- e. Microglia
- f. Motor (efferent) neuron
- g. Oligodendrocyte
- h. Sensory (afferent) neuron

Column B

- _____ 1. Transmits impulse from sensory to motor neuron within central nervous system
- _____ 2. Transmits impulse out of the brain or spinal cord to effector (muscles and glands)
- _____ 3. Transmits impulse into brain or spinal cord from receptor
- _____ 4. Myelin-forming neuroglia in brain and spinal cord
- _____ 5. Phagocytic neuroglia
- _____ 6. Structure capable of responding to motor impulse
- _____ 7. Specialized mass of neuron cell bodies outside the brain or spinal cord
- _____ 8. Cells that line cavities of the brain and secrete cerebrospinal fluid

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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

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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

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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

ksp calcium hydroxide chem132 determination of the ksp of calcium - Jun 24 2022

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

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web madison bowe elana keller april 15 2014 introduction the objective of this lab was to measure the ksp of a slightly soluble basic salt and how solubility changes with temperature ksp 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 ksp for calcium hydroxide - Aug 27 2022

web question experiment 8 determining ksp for calcium hydroxide post lab report sheet data table 2 points trial 1 trial 2 hci 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 in saturated Ca(OH)_2 m ksp of Ca(OH)_2 average ksp of Ca(OH)_2

chemistry 1210 lab 11 experiment 11 determining the ksp of calcium - Sep 08 2023

web the chemical equation used was $\text{Ca(OH)}_2 + 2\text{HCl} \rightarrow \text{CaCl}_2 + 2\text{H}_2\text{O}$ the solubility product was determined to be ksp Ca(OH)_2 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 ksp 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 $\text{Ca}_3(\text{PO}_4)_2 \rightleftharpoons 3\text{Ca}^{2+} + 2\text{PO}_4^{3-}$ $K_{\text{sp}} = [\text{Ca}^{2+}]^3 [\text{PO}_4^{3-}]^2$

post lab report 8 determining the ksp 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 ksp or the oh concentration was found and then the concentration was found and u for this experiment a titration of calcium hydroxide with hydrochloric

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web question determining the ksp of calciumhydroxide $\text{Ca(OH)}_2 + 2\text{HCl} \rightarrow \text{CaCl}_2 + 2\text{H}_2\text{O}$ for this experiment the titration of calciumhydroxide with hydrochloric acid was investigated determining the ksp of calcium hydroxide $\text{Ca(OH)}_2 + 2\text{HCl} \rightarrow \text{CaCl}_2 + 2\text{H}_2\text{O}$ for this experiment the titration of calcium

solved chem 182 experiment 8 determining the ksp 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 $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$ 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 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 $\text{ksp Ca(OH)}_2 = 5.0 \times 10^{-6}$ 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}