

K to 12 BASIC EDUCATION CURRICULUM

Week	RC Reading Comprehension	LC Listening Comprehension	VC Viewing Comprehension	V Vocabulary Development	LT Literature	WC Writing and Composition	P Oral Language and Fluency	G Grammar Awareness
				relations in a selection	better understand other people EN7L7-III-g-2.2.2: Explain literary devices used		interview, a panel discussion, in a forum and in a debate	
6	EN7RC-III-f-2.8: Make predictions about the text	EN7LC-III-f-3.7: Sequence a series of events mentioned in the listened to	EN7VC-III-f-1.4: Make a stand on the material viewed	EN7V-III-f-1.3.8: Determine words or expressions with genus-species (hyponymous) relations in a selection	EN7L7-III-f-5: Discover literature as a tool to assert one's unique identity and to better understand other people EN7L7-III-f-2.2.3: Determine tone, mood, technique, and purpose of the author	EN7WC-III-f-2.2.14: Compose a travelogue	EN7OL-III-f-3.4.1: Express ideas and opinions based on text listened to	EN7G-III-f-3: Use direct and reported speech appropriately in varied contexts
7	EN7RC-III-g-9: Identify the author's intentions for writing EN7RC-III-g-2.1.3: Distinguish fact from opinion, fantasy from reality in the text	EN7LC-III-g-7.1: Identify the persons speaking and addressed, and the stand of the speaker based on explicit statements made	EN7VC-III-g-1.4: Make a stand on the material viewed	EN7V-III-g-1.3.11.2: Identify words or expressions with part-whole (partitive) relations	EN7L7-III-g-5: Discover literature as a tool to assert one's unique identity and to better understand other people EN7L7-III-g-2.3: Draw similarities and differences of the featured selections in relation to the theme	EN7WC-III-g-2.2.14: Compose a travelogue	EN7OL-III-g-3.4.1: Express ideas and opinions based on text listened to	EN7G-III-g-3: Use direct and reported speech appropriately in varied contexts
8	EN7RC-III-h-2.1.3: Distinguish fact from opinion, fantasy from reality in the text	EN7LC-III-h-7.1: Identify the persons speaking and addressed, and the stand of the speaker based on explicit statements made	EN7VC-III-h-1.4: Make a stand on the material viewed	EN7V-III-h-1.3.11.2: Identify words or expressions with part-whole (partitive) relations	EN7L7-III-h-5: Discover literature as a tool to assert one's unique identity and to better understand other people	EN7WC-III-h-2.2.15: Compose a personal letter to a friend, relative, and other people	EN7OL-III-h-1.3.1: Raise sensible, challenging thought provoking questions in public forums/panel discussions, etc.	EN7G-III-h-3: Use the past and past perfect tenses correctly in varied contexts

K To 12 Curriculum Guide In English Grade 7

Lei Shi



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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 $\text{Ca(OH)}_2 \rightleftharpoons \text{Ca}^{2+} + 2\text{OH}^-$

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web k sp of calcium hydroxide 1 author j m mccormick last update ocober 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

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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

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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 $\text{Ca(OH)}_2(\text{s}) \rightleftharpoons \text{Ca}^{2+}(\text{aq}) + 2\text{OH}^{-}(\text{aq})$ the solubility product expression describes in mathematical terms the equilibrium

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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

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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 $5 \times 10^{-2} \text{ M}$ 0 M hydroxide ions calculate calcium hydroxide ksp using the concentrations of calcium ions and hydroxide ions

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web the chemical equation used was $\text{Ca(OH)}_2(\text{s}) \rightleftharpoons \text{Ca}^{2+}(\text{aq}) + 2\text{OH}^{-}(\text{aq})$ the solubility product was determined to be ksp $\text{Ca}^{2+}\text{OH}^{-}$ 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 ksp chemistry libretexts - Feb 01 2023

web jul 12 2023 because the concentration of a pure solid such as Ca_3PO_4 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 $\text{Ca}_3\text{PO}_4(\text{s}) \rightleftharpoons 3\text{Ca}^{2+}(\text{aq}) + 4\text{PO}_4^{3-}(\text{aq})$ $K_{\text{sp}} = [\text{Ca}^{2+}]^3 [\text{PO}_4^{3-}]^4$

hydroxide and compare it with your value discuss the discrepancy and suggest possible sources of experimental error
accepted value for K_{sp} for sodium hydroxide is 5×10^{-6}