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AP Chemistry Exam Free-Response Question and Scoring ...

AP Chemistry Free-Response Questions (FRQ) – Past Prompts. Published on Apr 19, 2020. view the 2020 ap chem study plan. We've compiled a sortable list of all AP Chemistry past prompts! The AP Chem FRQs are 50% of the exam and include 3 long questions, which are worth 10 points, and 4 short questions, each worth 4 points.

AP Chemistry Free-Response Questions (FRQ) - Past

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Prompts.

A student obtains a solution that contains an unknown

concentration of $\text{Fe}^{2+}(\text{aq})$. To determine the concentration of $\text{Fe}^{2+}(\text{aq})$ 2018 AP [®]

CHEMISTRY FREE-RESPONSE

QUESTIONS. in the solution, the student titrates a sample of the

solution with $\text{MnO}_4^- (\text{aq})$,

which converts $\text{Fe}^{2+}(\text{aq})$ to

$\text{Fe}^{3+}(\text{aq})$, as represented by

the following equation. $5 \text{Fe}^{2+}(\text{aq}) + \text{MnO}_4^-$

AP Chemistry 2018 Free-Response Questions

AP* Solution Chemistry Free Response Questions page 6 1995

Lead iodide is a dense, golden yellow, slightly soluble solid. At 25°C , lead iodide dissolves in

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water forming a system represented by the following equation. $\text{PbI}_2(\text{s}) \rightarrow \text{Pb}^{2+} + 2 \text{I}^-$
 $\Delta H = +46.5$ kilojoules

AP* Solution Chemistry Free Response Questions

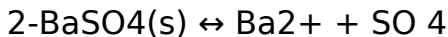
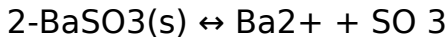
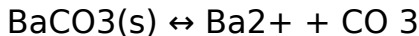
May 16, 2017 / in AP Chemistry / by erinnelson. The free-response section of the AP Chemistry test can be daunting. It consists of seven questions—three long and four short—that you will have 105 minutes to answer. It is suggested that you spend 7 minutes on each short questions and 25 minutes on each long question.

AP Chemistry: Free Response Practice Questions - Kaplan ...

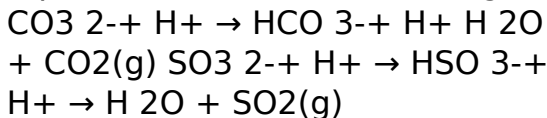
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Response KEY page 3 1980 (a)



2-Dissolving takes place if
equilibrium is shifted to the right.



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Category AP Chemistry

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Free-Response Questions

Download free-response questions from past exams along with scoring guidelines, sample responses from exam takers, and scoring distributions. AP Exams are regularly updated to align with best practices in college-level learning. Not all free-response questions on this page reflect the current exam, but the question types and the topics are similar,

AP Chemistry Past Exam Questions - AP Central | College Board

AP Chemistry Knowledge Review: Solids, Liquids, and Intermolecular Forces Free-Response Practice Questions.

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Chemistry: Solutions and
Colligative Properties Free-
Response Practice Questions

AP Chemistry: Solids, Liquids, and Intermolecular Forces ...

temperature reached by the
solution is 35.6 C. (i) Calculate
the magnitude of the heat
absorbed by the solution during
the dissolution process, assuming
that the specific heat capacity of
the solution is 4.18 J/(g·°C).

Include units with your answer. q
 $= mc \Delta T = (110.0 \text{ g})(4.18 \text{ J/(g}\cdot\text{°C)})($
 $35.6 \text{ °C} - 15.0\text{°C}) = 9,470 \text{ J} = 9.47$
kJ

AP Chemistry Scoring Guidelines, 2016 - College Board

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Properties of Solutions 11 00 total

A B A = + = + χ χ P P P P PA B

B (same as Dalton's Law) Exercise

7 Calculating the VP of a Solution

Containing Two Liquids. A solution

is prepared by mixing 5.81 g

acetone (C_3H_6O , molar mass =

58.1 g/mol) and 11.9 g chloroform

($CHCl_3$, molar mass = 119.4

g/mol).

AP* Chemistry PROPERTIES OF SOLUTIONS

A student is given 50.0 mL of a solution of Na_2CO_3 of unknown concentration. To determine the concentration of the solution, the student mixes the solution with excess 1.0 M $Ca(NO_3)_2$ (aq), causing...

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2020 Free-Response Questions. By Thanksgiving, 2020 free-response questions will be in the AP Classroom question bank for teachers to assign to students as homework or in class, and will not require secure assessment. These questions will be updated, where possible, to best match the format of free-response questions in the course and exam description and on traditional AP Exams.

AP Chemistry Exam - AP Central | College Board

You should spend a maximum of 20 minutes on each long free-response question and 10 minutes on each short free-

Solutions
response question. Keep an eye on the time so it doesn't get away from you! Here are some basic steps you should take to solve free-response questions:

AP Chemistry FRQ: How to Ace the Free Response Questions

AP* Stoichiometry Free Response Questions page 4 (b) In a reaction vessel, 0.600 mol of $\text{Ba}(\text{NO}_3)_2$ (s) and 0.300 mol of H_3PO_4 (aq) are combined with deionized water to a final volume of 2.00 L. The reaction represented below occurs.

$$3 \text{Ba}(\text{NO}_3)_2 (\text{aq}) + 2 \text{H}_3\text{PO}_4 (\text{aq}) \rightarrow \text{Ba}_3(\text{PO}_4)_2 (\text{s}) + 6 \text{HNO}_3 (\text{aq})$$

(i) Calculate the mass of $\text{Ba}_3(\text{PO}_4)_2$ (s) formed.

AP* Stoichiometry Free

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Response Questions

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From 2015 AP Chemistry free response 3a. ... Is commonly added to diet soft drinks as a preservative. A stock solution of potassium sorbate, dissolvent's an aqueous solution here, of known concentration must be prepared. A student titrates 45

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Solutions
milliliters of the stock solution with one point two five molar hydrochloric acid using both an ...

2015 AP Chemistry free response 3a (video) | Khan Academy

2015 AP Chemistry free response 5a: Finding order of reaction .

2015 AP Chemistry free response 6. 2015 AP Chemistry free response 7. Video transcript - [Voiceover] Ethene, C_2H_4 , molar mass of 28.1 grams per mole, may be prepared by the dehydration of ethanol, C_2H_5OH , molar mass 46.1 grams per mole, using a solid catalyst. A setup for the lab ...

2015 AP Chemistry free response 2a (part 1 of 2)

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