

## Read Online Mole Cookie Project Chemistry Calculations Answers

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## **Chemistry cookie project - mole calculations | Teaching ...**

Cookie Calculations: Do all of your conversion calculations in the space provided. Make sure to record the grams and final cooking measurements on the lab sheet and to turn this page in with your lab. Show your work using the FACTOR LABEL METHOD!  
Ingredient Conversions (Mole to Gram, Gram to Measurement)  
Measurement

## **Chemistry Cookie Project- Chocolate Chip**

Chemistry Lab Moles Procedure: You may complete the following stations in any order. Station Procedure Calculations/Questions (Please show all your work!) A 1) Mass the aluminum sample. 1) How many moles of aluminum are present? 2) What mass would

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be exactly 1 mole of aluminum? B 1) This station has paper drinking cups. Fill one cup halfway ...

**Procedure: You may complete the following stations in any ...**

One mole of substance contains  $6 \times 10^{23}$  particles. This value is called Avogadro's number. Number of particles in 1 mol of substance =  $6 \times 10^{23}$ . Number of particles in 2 mol of substance =  $2 \times 6 \times 10^{23}$ .

### **Mole Calculation - I Can Do Chemistry**

4. Sample Calculations of Molar Mass  
a.  $\text{Na}_2\text{HPO}_4$   
 $2 \times 22.99 = 45.98$  (Na)  
 $1 \times 1.008 = 1.008$  (H)  
 $1 \times 30.97 = 30.97$  (P)  
 $4 \times 16.00 = 64.00$  (O)  
 $141.96 \text{ g/mol}$   
b.  $\text{Ca}_3(\text{PO}_4)_2$   
 $3 \times 40.08 = 120.24$  (Ca)  
 $2 \times 30.97 = 61.94$  (P)  
 $8 \times 16.00 = 128.00$  (O)  
 $310.18 \text{ g/mol}$   
c.  $\text{C}_{15}\text{H}_{22}\text{ClNO}_2$   
 $15 \times 12.01 = 180.15$  (C)  
(Demerol) H

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## MOLES AND CALCULATIONS USING THE MOLE CONCEPT INTRODUCTORY ...

mole =  $10 / 36.5 = 0.27$  moles =  $1.626 \times 10^{23}$  molecules of HCl. We can work out the number of molecules by timesing the moles by Avogadro's constant above. Now we know the amount of molecules of HCl we have, and, since the reaction is 1:1, we need the exact same number of molecules of NaOH to neutralise it.

### Mole Calculator

•A counting unit • $6.02 \times 10^{23}$ (in scientific notation) •This number is named in honor of Amedeo Avogadro (1776 -1856) 1 dozen cookies = 12 cookies 100 cookies = 102 cookies A million of cookies =  $10^6$  cookies 1 mole of cookies =  $6.02 \times 10^{23}$  cookies 1 mole C =  $6.02 \times 10^{23}$ C atoms 1 mole H<sub>2</sub>O =  $6.02 \times 10^{23}$ H

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## The Mole

Atomic mass unit and the mole • amu definition:  $^{12}\text{C} = 12 \text{ amu}$ .

- $1 \text{ amu} = 1.6605 \times 10^{-24} \text{ g}$
- How many  $^{12}\text{C}$  atoms weigh 12 g?
- $6.02 \times 10^{23}$   $^{12}\text{C}$  weigh 12 g.
- Avogadro's number
- The mole
- $\# \text{atoms} = (1 \text{ atom}/12 \text{ amu})(1 \text{ amu}/1.66 \times 10^{-24} \text{ g})(12 \text{ g}) = 6.02 \times 10^{23}$
- $^{12}\text{C}$  weigh 12 g

## Chapter 3 Stoichiometry - Chemistry

Mole calculation ( examples) This feature is not available right now. Please try again later.

## Mole Calculations (examples) AS and A level Chemistry

[www.njctl.org](http://www.njctl.org) Chemistry Mole Calculations 53. The average blood volume (amount of blood in circulation) is roughly 5 Liters. Diabetes is a condition where the body does not properly remove glucose from the bloodstream. Someone who has more

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than 0.008 moles of glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) per liter of blood is at risk of diabetes. After analyzing a 1 ...

## **Mole Calculations Problems Review PSI Chemistry Name**

The Process. Determine the molecular formula of the molecule. Use the periodic table to determine the atomic mass of each element in the molecule. Multiply each element's atomic mass by the number of atoms of that element in the molecule.

## **How to Convert Grams to Moles - Step by Step Instructions**

Mole Day (October 23rd) was one of my (and my students) favorite day of the year. We would have a class party and mostly perform loud and fire-laden demonstrations the entire period. My wife designed these Mole Cookies early in my teaching career and they became a tradition on Mole



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## **mole day projects for chemistry - Google Search | Mole day ...**

- Show the calculations to determine the COST of each ingredient to serve 30 people - You must go to the store and take a picture with each price tag, cut the ad or print online for each ingredient - You must show every conversion factor/ratio - Show the total cost to serve 30 people On a separate sheet of paper hand written (50 points)

## **Stoich Project Rubric - Mr.Nguyen's Pre AP Chemistry**

Feb 13, 2014 - Explore bethanyfitts's board "Mole day", followed by 163 people on Pinterest. See more ideas about Mole day, Mole, Dessert recipes.

## **47 Best Mole day images | Mole day, Mole, Dessert recipes**

A mole is the quantity of anything that has the same number of

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particles found in 12.000 grams of carbon-12. That number of particles is Avogadro's Number, which is roughly  $6.02 \times 10^{23}$ . A mole of carbon atoms is  $6.02 \times 10^{23}$  carbon atoms. A mole of chemistry teachers is  $6.02 \times 10^{23}$  chemistry teachers.

### **What Is a Mole in Chemistry? - ThoughtCo**

This lesson demonstrates how to perform mole calculations that involve both Avogadro's number and molar mass in the same calculation. Loading... Advertisement

### **Chemistry Lesson: Mole Calculations I**

Stoichiometry of a Cookie (chemistry moles) by . Lesson Universe. ... This ppt includes a review of basic mole calculations including stoichiometry. The ppt also covers more lab based questions that the students might see on an FRQ on the AP Chem test (including titrations and gravimetric analysis). ... This is a fun project for chemistry

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