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Mole Calculation Worksheet Answers

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Mole Calculation Worksheet Answers

1) How many moles are in 15 grams of lithium? 2.2 moles. 2) How many grams

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are in 2.4 moles of sulfur? 77.0 grams.

3) How many moles are in 22 grams of

argon? 0.55 moles. 4) How many grams

are in 88.1 moles of magnesium? 2141

grams. 5) How many moles are in 2.3

grams of phosphorus? 0.074 moles. 6)

How many grams are in 11.9 moles of

chromium? 618.8 grams

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Mole Calculation Worksheet - Answer Key

Mole Calculation Worksheet - Answer Key
1) How many moles are in 15 grams of lithium? 0.46 moles
2) How many grams are in 2.4 moles of sulfur? 77.0 grams
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magnesium? 2141 grams 5) How many moles are in 2.3 grams of phosphorus?
0.074 moles

Mole Calculation Worksheet - nclark.net

Molar Mass Worksheet - Answer Key
Calculate the molar masses of the following chemicals: 1) Cl 2 71 g/mol 2)

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KOH 56.1 g/mol 3) BeCl₂ 80 g/mol 4)
FeCl₃ 162.3 g/mol 5) BF₃ 67.8 g/mol 6)
CCl₂F₂ 121 g/mol 7) Mg(OH)₂ 58.3
g/mol 8) UF₆ 352 g/mol 9) SO₂ 64.1
g/mol 10) H₃PO₄ 98 g/mol 11) (NH₄)₂SO₄ 132.1 g/mol 12) CH₃COOH 60
g/mol 13) Pb(NO₃)₂ 331.2 g/mol 14) Ga
2

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Molar Mass Worksheet Answer Key

Mole Calculation Worksheet - Answer Key
Key What are the molecular weights of the following compounds? 1) NaOH

$$22.99 + 16.00 + 1.01 = 40.00$$

grams/mol 2) H_3PO_4 $3(1.01) + 30.97 + 4(16.00) = 98.00$ grams 3) H_2O

$$2(1.01) + 16.00 = 18.02 \text{ grams}$$

4) Mn_2Se_7 $2(54.94) + 7(78.96) = 662.60$

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grams 5) $\text{MgCl}_2 = 24.31 + 2(35.45) = 95.21$ grams 6) $(\text{NH}_4)_2\text{SO}_4$

Mole Calculation Worksheet - Brookside High School

Mole Calculation Worksheet - Answer Key
1) How many moles are in 15 grams of lithium? 0.46 moles
2) How many grams are in 2.4 moles of sulfur? 77.0

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grams 3) How many moles are in 22 grams of argon? 0.55 moles 4) How many grams are in 88.1 moles of magnesium? 2141 grams 5) How many moles are in 2.3 grams of phosphorus? 0.074 moles 6) How many grams are in 11.9 moles of chromium? 618.8 grams

Grams/Moles Calculations - Answer

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Key

Displaying top 8 worksheets found for - Molecular Mass And Mole Calculations. Some of the worksheets for this concept are Mole calculation work, Molar mass practice work, Mass and moles work answers, Molar mass work, Formula or molar mass work, Molar mass practice work, Formula or molar mass work epub,

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Molar mass work answer key.

Molecular Mass And Mole Calculations Worksheets - Learn Kids

Grams/Moles Calculations - Answer Key

Given the following, name the compound and find the number of moles: 1) 30 grams of H_3PO_4

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(phosphoric acid) 0.31 moles of H_3PO_4

2) 25 grams of HF (hydrofluoric acid)

1.25 moles HF 3) 110 grams of NaHCO_3
(sodium bicarbonate or baking soda)

1.31 moles 4) 1.1 grams of FeCl_3 (iron
(III) chloride) 0.0068 moles

Grams/Moles Calculations Worksheet III

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More Mole Calculations! 1) How many grams does 0.500 moles of CuBr weigh? 2) How many molecules are there in 0.655 moles of C₆H₁₄? 3) How many moles are there in 2.35×10^{24} molecules of water? 4) How many grams does 5.60×10^{22} molecules of SiO₂ weigh? 5) How many molecules are there in 21.6 grams of CH₄?

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More Mole Calculations!

- 1) How many moles are in 40.0 grams of water? $40.0 \text{ g H}_2\text{O} \times \frac{1 \text{ mole H}_2\text{O}}{18.01 \text{ g H}_2\text{O}} = 2.22 \text{ mole H}_2\text{O}$
- 2) How many grams are in 3.7 moles of Na_2O ? $3.7 \text{ moles Na}_2\text{O} \times 62 \text{ g Na}_2\text{O} = 230 \text{ g Na}_2\text{O}$
- 3) How many atoms are in 14 moles of cadmium?

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2314 mole Cd x 6.022×10^{23} atoms Cd =
 8.4×10^{23} atoms Cd 1 mole Cd

Mole Calculation Worksheet - Everett Community College

Mole Calculation Worksheet. 1) How many moles are in 15 grams of lithium ... Mole Calculation Worksheet - Answer Key 1) ... 5.66×10^{-9} moles. 868 grams

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Check your ...

Mole Calculations Worksheet Answer Key

Hard Q7, someone asked for clarification
8 g of O = 0.5 moles 1:1 ratio $n=m/M_r$,
 $0.5=7/M_r$, hence M_r is 14, Nitrogen,
acidic 2:1 ratio $n=m/M_r$, $0.5 \times 2=7/M_r$,
hence M_r is 7, Lithium (Li_2O), a strongly

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basic oxide.

Differentiated Mole Calculations now with answers ...

Section 4 The mole 27 Exercise 4a
Calculation of the number of moles of
material in a given mass of that material
33 ... Answers 115 . UA008883 -
Workbook for GCE students - Moles,

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Formulae and Equations 1 Edexcel
Advanced GCE in Chemistry (9080)

UA008883 GCE Chem Moles wkbk Iss3

Worksheet: Mole Calculations & Percent
Composition A. Mole Calculations. You
will need a periodic table to look up
molecular weights. Do each type of

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calculation until you feel that you could do it without looking at notes. If you are very comfortable with a problem, skip down to harder ones. The answers will be on the web. 1.

Name Period Date Pre-AP Chemistry Worksheet: Mole ...

Avogadro's Number, The Mole, Grams,

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Atoms, Molar Mass Calculations -
Introduction - Duration: ... Unit 5
Worksheet 1 Guided Answers - Duration:
18:55. Anthony Tedaldi 3,451 views.

Moles worksheet #2

In this tutorial: Molar masses Grams -
moles - molecules calculations How to
calculate ions Handy links As I

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mentioned in the past tutorial, the word "mole" refers to 6.02×10^{23} things. Because this is a really really big number, the only thing we use this number for is to count really really small...

Mole calculations | The Cavalcade o' Chemistry

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About This Quiz & Worksheet. Working with mole-to-mole ratios requires an understanding of stoichiometry, and this quiz and worksheet combination will test your understanding of this concept.

Quiz & Worksheet - Working with Mole-to-Mole Ratios ...

Chemical Calculations and Moles. GCSE

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chemistry equations, formulae and calculations are often the part of the syllabus that many students struggle with. From understanding avogadro's constant, to mole calculations, formulae for percentage yield and atom economy, at first this part of the GCSE chemistry syllabus seems very difficult.

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GCSE Chemistry Revision | Chemical Calculations | Mole ...

Mole Worksheet Use two decimal places for the molar masses and report your answer to the correct number of significant figures. 1. Calculate either the number of grams or the number of moles. 1) 3.00 mol NH₃

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Mole Worksheet

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Home - Crestwood Local School District

Answer all non-integer questions to at least 3 significant figures. Correct answers MUST be within ± 1 unit of the third significant figure or they are scored

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as wrong. What is the number of moles of each substance in the following compounds? a. How many moles of O are present in 5 moles of C₁₂H₂₂O₁₁? 5: 11: 12: 22: 55: 60: 110: b.

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