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# Mole Calculation Answer Key With Work

**mole calculation practice worksheet** - mole calculation practice worksheet answer the following questions: 1) how many moles are in 25.0 grams of water? 2) how many grams are in 4.500 moles of  $\text{Li}_2\text{O}$ ? 3) how many molecules are in 23.0 moles of oxygen? **mole calculation worksheet - nclark** - 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 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 **grams/moles calculations - 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 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 **mole calculation worksheet - sheffieldschools** - mole to grams, grams to moles conversions worksheet what are the molecular weights of the following compounds? ... mole calculation worksheet - answer key what are the molecular weights of the following compounds? 1)  $\text{NaOH}$  22.99 + 16.00 + 1.01 = 40.00 g/mol 2)  $\text{H}_3\text{PO}_4$  **mole calculations review worksheet - answers on next page.** - mole calculations review worksheet - answers on next page. 1. calculate the molar mass of each compound. a.  $\text{LiOH}$  c.  $\text{Mg}(\text{C}_2\text{H}_3\text{O}_2)_2$  2. b. barium bromide d.  $\text{Ca}(\text{NO}_3)_2$  2. 2. how many molecules are in 45.0 grams  $\text{CH}_4$ ? 3. how many moles are in 18.8 grams  $\text{NaOH}$ ? 4. a salt shaker containing  $9.58 \times 10^{23}$  formula units  $\text{NaCl}$  contains how many moles? 5. **grams/moles calculations worksheet iii** - grams/moles calculations - answer key given the following, name the compound and find the number of moles: 1) 30 grams of  $\text{H}_3\text{PO}_4$  (phosphoric acid) 0.31 moles of  $\text{H}_3\text{PO}_4$  2) 25 grams of  $\text{HF}$  (hydrofluoric acid) 1.25 moles  $\text{HF}$  3) 110 grams of  $\text{NaHCO}_3$  (sodium bicarbonate or baking soda) 1.31 moles 4) 1.1 grams of  $\text{FeCl}_3$  (iron (iii) chloride) 0.0068 moles **mole to grams, grams to moles conversions worksheet** - mole to grams, grams to moles conversions worksheet what are the molecular weights of the following compounds? 1)  $\text{NaOH}$  2)  $\text{H}_3\text{PO}_4$  ... 1 mole =  $6.02 \times 10^{23}$  particles can be written as 1 mole or  $6.02 \times 10^{23}$   $6.02 \times 10^{23}$  1 mole solve ... mole calculation worksheet - answer key **mole calculation worksheet - everett community college** - mole calculation worksheet w 340 everett community college tutoring center student support services program 1) how many moles are in 40.0 grams of water? 2) how many grams are in 3.7 moles of  $\text{Na}_2\text{O}$ ? 3) how many atoms are in 14 moles of cadmium? 4) how many moles are in  $4.3 \times 10^{22}$  molecules of  $\text{H}_3\text{PO}_4$ ? 5) how many molecules are in 48.0 grams ... **answer key mole%test%review** - title: microsoft word - mole review answer keycx author: sarah davisson created date: 2/22/2016 5:38:47 pm **molar mass worksheet answer key - river dell regional ...** - write the correct formula for calcium acetate and then answer 21 - 23 based on it. 21. what is the mass of exactly one mole of calcium acetate?  $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$  2 158g/mol 22. how many moles are contained in 1.58 g of the substance in #23? 0.01mol 23. how much does 0.400 mole of #23 weigh? 63.3g 24. write the formula for oxygen gas.  $\text{O}_2$  25. **mole calculation worksheet answer ke 5 grams ) 6) 0.70 ...** - mole calculation worksheet answer ke 5 grams ) 6) 0.70 moles ) q) 360 grams 71 moles 0.064 grams  $5.66 \times 10^{-9}$  moles 868 grams 2.2 moles 77 grams **mole calculations problems review psi chemistry name** - njctl chemistry mole calculations mole calculations problems review psi chemistry name \_\_\_\_\_ the mole and avogadro's number classwork 1. how many iron atoms are in 3 moles of iron? 2. how many sulfur atoms are in 0.25 moles of sulfur? 3. **mole calculations - university of tennessee at chattanooga** - mole calculations chemical equations and stoichiometry lecture topics atomic weight, mole, molecular mass, derivation of formulas, percent composition chemical equations and problems based on miscellaneous problems, solution problems, review handout demo mole quantities 58.5g  $\text{NaCl}$ (mol/58.5g)( $6.02 \times 10^{23}$ /mol) =  $6.02 \times 10^{23}$   $\text{Na}^+\text{Cl}^-$  **moles & stoichiometry answers key questions & exercises** - moles & stoichiometry answers key questions & exercises 1. the atomic weight of carbon is 12.0107 u, so a mole of carbon has a mass of 12.0107 g. why doesn't a mole of carbon weigh 12 g? the atomic weight refers to the weighted average of masses of the isotopes comprising a naturally occurring sample of carbon. **chemistry computing formula mass worksheet - isd 622** - chemistry computing formula mass worksheet problem set-up example: find the formula mass of  $\text{Ca}(\text{NO}_3)_2$  ... this type of calculation is called stoichiometry. ... 2 moles 3 moles  $x = 90$  g  $\text{O}_2$  1 mole  $\text{O}_2$  2 mole  $\text{KClO}_3$  122.5 g  $\text{KClO}_3 = 229.7$  g  $\text{KClO}_3$  32 g  $\text{O}_2$  3 moles  $\text{O}_2$  1 mole  $\text{KClO}_3$  i ii iii iv chemistry stoichiometry mass (g,kg, etc.) ...

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