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# Molar Mass And Avogadro's Number Worksheet Answers

**chapter 3 molar mass calculation of molar masses** - molar mass molar ratio  $180.1 \text{ g mol}^{-1} \text{ C}_6\text{H}_{12}\text{O}_6 = 2.33 \text{ mol}$  o strategy: once the number of moles of a substance present is known, we can use: - molar mass to find the number of grams - avogadro's number to find the number of atoms, ions, or molecules moles  $\times$  grams  $\div$  atoms  $\div$  molar mass  $\times$  moles a molar ratio molar conversions chapter 3 h? grams ... **molar mass of polymers - the university of akron** - mol wgt 2-1 molar mass of polymers • recognize the influence of molar mass (molecular weight) on polymer properties. • understand the relationship between molecular weight and degree of polymerization. • understand the significance of number-average (mn) and weight-average (mw) molecular weights. • understand the nature of polydispersity. • recognize that the molecular weight of a ... **molar mass of butane - flinn scientific** - molar mass of butane continue 3 21 linn ientifi n all ights esere materials for molar mass of butane—applying the gas laws are available from flinn scientific, inc. catalog no. description ap8334 pneumatic trough ap1884 barometer, aneroid ap6367 the gas laws, flinn chemtopic™ labs, volume 9 consult the flinn scientific website for current prices. **molar mass practice worksheet - my chemistry class** - solutions to the molar mass practice worksheet: important note to students: all of the units given here are “grams per mole”, which may be abbreviated as “g/mol”, “grams/mol”, or “g . mol<sup>-1</sup>”, depending on how your teacher likes to see it written. they all mean the same thing, but it's **molar mass name chem worksheet 11-2** - what is its molar mass? 7. find the molar mass of acetylene  $\text{C}_2\text{H}_2$ , the gas used in welding torches. 8. vinegar contains acetic acid,  $\text{HC}_2\text{H}_3\text{O}_2$ . what is the molar mass of this substance? 9. what is the molar mass of magnesium sulfate,  $\text{MgSO}_4$ ? 10. find the molar mass of phosphorus pentachloride,  $\text{PCl}_5$ . 11. bromine is diatomic. find the molar ... **molar mass worksheet - everett community college** - molar mass worksheet w 339 everett community college tutoring center student support services program find the molar masses of the following compounds: 1)  $\text{LiI}$  2)  $\text{PbCO}_3$  4 3)  $\text{Mg(OH)}_2$  4)  $\text{K}_3\text{PO}_4$  5)  $\text{NH}_4$  3 po 4 6)  $\text{C}_6\text{H}_{12}\text{O}_6$  7)  $\text{Fe}_2$  (so 4) 3 8)  $\text{Na}_3\text{P}$  9)  $\text{AgF}$  10)  $\text{NH}_4\text{C}_2\text{H}_3\text{O}_2$  **pka and molar mass of a weak acid - emich** - 10-1 experiment 10 pka and molar mass of a weak acid adapted by the chemistry faculty of eastern michigan university from equi 305, written by richard c. bell, lebanon valley college, published by chemical education **molar mass by freezing point depression objectives ...** - c) find molar mass of solute: molar mass of solute =  $0.5580 \text{ g solute} = 153 \text{ g/mole} \cdot 0.00365 \text{ mole solute}$  procedure: 1. obtain from the stockroom a nickel spatula, a timer, and a freezing point apparatus. the freezing point apparatus consists of a freezing point test tube fitted with a stopper, a digital thermometer and a stirring wire. **molar mass worksheet answer key - riverdell** - “molar mass” is used to describe the mass of one mole of a chemical compound, while “atomic mass” is used to describe the mass of one mole of an element or the mass of one atom of an element. 8) which is a better unit for expressing molar mass, “amu” or “grams/mole”? **03 determination of molar mass by vapor density** - determination of molar mass by vapor density one of the properties that helps characterize a substance is its molar mass. if the substance in question is a volatile liquid, a common method to determine its molar mass is to vaporize it and apply the ideal gas law,  $pV = nRT$  to the data collected. **molar mass problems - chemteam** - molar mass problems 1. calculate the mass of 1.000 mole of  $\text{CaCl}_2$  2. calculate grams in 3.0000 moles of  $\text{CO}_2$  3. calculate number of moles in 32.0 g of  $\text{CH}_4$  4. determine mass in grams of 40.0 moles of  $\text{Na}_2\text{CO}_3$  5. calculate moles in 168.0 g of  $\text{H}_2\text{S}$  6. calculate moles in 510.0 g of  $\text{Al}_2\text{S}_3$  7. how many moles are in 27.00 g of  $\text{H}_2\text{O}$  8. **molar mass worksheet - nclark** - molar mass worksheet calculate the molar mass of the following chemicals: 1)  $\text{Cl}_2$  2)  $\text{KOH}$  3)  $\text{BeCl}_2$  4)  $\text{FeCl}_3$  5)  $\text{BF}_3$  6)  $\text{C}_2\text{F}_2$  7)  $\text{Mg(OH)}_2$  8)  $\text{UF}_6$  9)  $\text{SO}_2$  10)  $\text{H}_3\text{PO}_4$  11)  $(\text{NH}_4)_2\text{SO}_4$  12)  $\text{CH}_3\text{COOH}$  13)  $\text{Pb(NO}_3)_2$  14)  $\text{Ga}_2(\text{SO}_3)_3$  **key - molar mass - newburyparkhighschool** - molar mass determine the molar mass (the mass of one mole) of each compound below. remember to include units (either amu or g/mol). hint: for hydrated compounds such as  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ , add the molar mass of the salt ( $\text{CuSO}_4$ ) to the mass of the number of water molecules indicated by the coefficient ( $5\text{H}_2\text{O} = 5$  water molecules). **determination of molar mass by freezing-point depression** - determination of molar mass by freezing-point depression | 143 name date score prelaboratory assignment for full credit, show the detailed steps of each calculation below. use more paper if needed.

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