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# Molar Mass Practice Worksheet Answer Key

**molar mass practice worksheet - northern highlands** - c.p. chemistry name \_\_\_\_\_ ws 4 more mole practice date \_\_\_\_ pd. \_\_\_\_ mass ↔ moles ↔ particles . molar mass practice **molar mass quiz - softschools** - the mass in grams of one mole of any substance is its molar mass. the molar mass of any element is numerically equal to its atomic mass. for instance, one mole of oxygen has a mass of 15.99g./mol one mole of fluorine gas has a mass of 18.99g/mol. to find the mass of a compound, you must add up the ... **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 **converting moles and mass (practice) | khan academy** - practice converting moles to grams, and from grams to moles when given the molecular weight. if you're seeing this message, it means we're having trouble loading external resources on our website. if you're behind a web filter, please make sure that the domains \*.kastatic and \*.kasandbox are unblocked. **chemistry computing formula mass worksheet - isd 622** - chemistry computing formula mass worksheet problem set-up example: find the formula mass of ca(no<sub>3</sub>)<sub>2</sub> ... what is the molar ratio between o<sub>2</sub> and o<sub>3</sub>? practice problems ... chemistry stoichiometry practice(mass-molecule) answers: 1) 48 2) 2.39 x 10<sup>23</sup> 3) 1 x 10<sup>23</sup> **molar mass worksheet - nclark** - molar mass worksheet calculate the molar mass of the following chemicals: 1) cl<sub>2</sub> 2) koh 3) becl<sub>2</sub> 4) fecl<sub>3</sub> 5) bf<sub>3</sub> 6) ccl<sub>2</sub>f<sub>2</sub> 7) mg(oh)<sub>2</sub> 8) uf<sub>6</sub> 9) so<sub>2</sub> 10) h<sub>3</sub>po<sub>4</sub> 11) (nh<sub>4</sub>)<sub>2</sub>so<sub>4</sub> 12) ch<sub>3</sub>cooh 13) pb(no<sub>3</sub>)<sub>2</sub> 14) ga<sub>2</sub>(so<sub>3</sub>)<sub>3</sub> **mole review practice problems - whitney high school** - mole practice problems i. atomic mass vs. molar mass: calculate the molar mass/ atomic mass of the following atoms and compounds: 1. complete the following table: list atom types & #'s of each type of atom atomic mass (with correct units) molar mass (with correct units) h 2 o h = 2 o = 1 18.02 amu 18.02 grams/ mole fe 2 o 3 nacl co 2 ba(oh) **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"? **mole review practice problems - rocklin.k12** - mole practice problems 1omic mass vs. molar mass: calculate the molar mass/ atomic mass of the following atoms and compounds: list atom types & #'s of each type of atom atomic mass (with correct units) molar mass (with correct units) h 2 o h = 2 o = 1 18.02 amu 18.02 grams/ mole fe 2 o 3 fe = 2 o = 3 159.70 amu 159.70 g/ mol nacl na = 1 cl = 1 **molar mass problems - chemteam** - molar mass problems 1. calculate the mass of 1.000 mole of cac<sub>l</sub>2 2. calculate grams in 3.0000 moles of co<sub>2</sub> 3. calculate number of moles in 32.0 g of ch<sub>4</sub> 4. determine mass in grams of 40.0 moles of na<sub>2</sub>co<sub>3</sub> 5. calculate moles in 168.0 g of hgs 6. calculate moles in 510.0 g of al<sub>2</sub>s<sub>3</sub> 7. how many moles are in 27.00 g of h<sub>2</sub>o 8. **mole calculation worksheet - sheffieldschools** - 1 mole = molar mass (could be atomic mass from periodic table or molecular mass) 1 mole = 22.4 l of a gas at stp (you do not need to worry about this yet) each definition can be written as a set of two conversion factors. they are: 1 mole = molar mass(g) can be written as \_\_\_1 mole or \_molar mass (g) **molar conversions practice answers are in parentheses so ...** - molar conversions practice - show your work! answers are in parentheses so you can check your work 1) how many moles are in 25 grams of water?(1.39) 2) how many grams are in 4.5 moles of li 2 o? (134.1) 3) how many molecules are in 23 moles of oxygen?(1.38 x 10<sup>25</sup>) 4) how many moles are in 3.4 x 10<sup>23</sup> molecules of h<sub>2</sub> so 4? (0.56) 5) how many molecules are in 25 grams of nh **worksheet 7 - ideal gas law i. ideal gas law ideal gas law ...** - the ideal gas law can be re-arranged to calculate the molar mass of unknown gases. pv = nrt n = mass (g) molar mass (g/mol) pv = mass (rt) mass x r x t = molar mass molar mass p x v knowing that the units for density are mass/volume, re-write this equation so that it equates density with molar mass.

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