



# Molar Mass

Video Workbook with Dr. B.

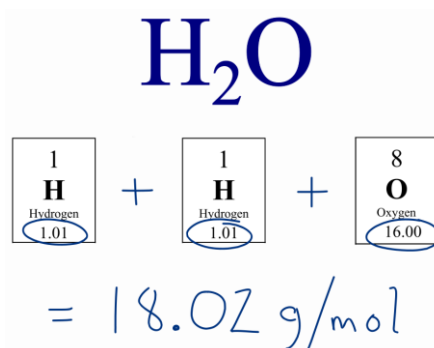
More guides at [www.breslyn.org](http://www.breslyn.org)

## Molar Mass

Finding the Molar Mass for a compound is essential for all that follows in stoichiometry. Especially converting from grams to moles.

To find Molar Mass, look up the atomic mass for each element using the Periodic Table. Then add them together.

For example, for H<sub>2</sub>O we have two H atoms and one O atom.

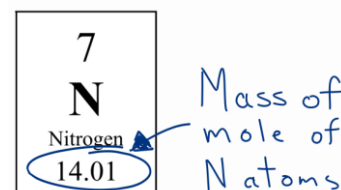


Units are:  
**grams/mole**  
or  
**g/mol**

Be sure to include units in your final answer.

Watch this video for all you need to learn how to find molar mass!

[How to Find Molar Mass](#)



### Practice with Video Explanations

*Easy*



<https://youtu.be/W2ePriegiDU>



<https://youtu.be/z-fcYTScQel>

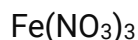


[https://youtu.be/9MG\\_Qcma7A](https://youtu.be/9MG_Qcma7A)

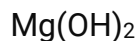
*Medium*



<https://youtu.be/KeayMTiqfK8>

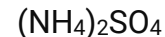


<https://youtu.be/7CpT01gCle4>

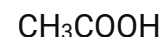


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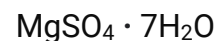
*More Challenging*



<https://youtu.be/CUee0P9K5Hs>



[https://youtu.be/HHu4Zv\\_1cRM](https://youtu.be/HHu4Zv_1cRM)



<https://youtu.be/6b6GadB28o4>

**Answers** (Note, depending how you round you may get a slightly different answer.)

O<sub>2</sub> = 32.00 g/mol  
NaOH = 40.00 g/mol  
Fe<sub>2</sub>O<sub>3</sub> = 159.70 g/mol

Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> = 310.18 g/mol  
Fe(NO<sub>3</sub>)<sub>3</sub> = 241.88 g/mol  
Mg(OH)<sub>2</sub> = 58.33 g/mol

(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> = 132.17 g/mol  
CH<sub>3</sub>COOH = 60.06 g/mol  
MgSO<sub>4</sub> · 7H<sub>2</sub>O = 246.52 g/mol

[More practice finding molar mass.](#)

Report errors and suggestions to [DrB@breslyn.org](mailto:DrB@breslyn.org)

