

# How to Find Molecular Mass

Molecular mass is the mass of a molecule in daltons (Da or u).

1. Start with the molecular formula.
2. Look up the atomic masses of the elements.
3. Add up the atomic masses according to the molecular formula. To account for the correct number of atoms, multiply the atomic masses by their subscripts.



## Example

Find the molecular mass of methane,  $\text{CH}_4$ .

Atomic mass of C (carbon) is 12.011. Atomic mass of H (hydrogen) is 1.008.

$$\text{Molecular mass} = 12.011 + (4 \times 1.008)$$

$$\text{Molecular mass} = 12.011 + 4.032$$

$$\text{Molecular mass} = 16.043$$

6
<b>C</b>
Carbon
12.011

1
<b>H</b>
Hydrogen
1.008

# Formula And Molar Mass Answers

**David Kirk**



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