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- Can use the molecular or empirical formula to determine percent composition
- Example: ; Molecular weight: N: 1 x 14.01 amu and H 3 x 1.008 amu = 17.03 amu

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## Summary

- The formula mass is the sum of the masses of the individual atoms composing a compound
- One mole is defined to be the amount of a substance containing 6.022x10<sup>23</sup> atoms/molecules
- The molar mass of an atom or compound is numerically equal to the the atomic or formula weight in amu