

- We measure atoms, ions and molecules in _____
 - There are _____ atoms of Carbon in a mole of carbon atoms
 - 1 **mole** of Carbon-12 atoms weighs exactly _____ (unlimited decimal places)
 - 6.02×10^{23} Carbon-12 atoms weighs exactly 12 grams.
 - What does a **mole** of carbon atoms (all isotopes) weigh?
- There are 6.6 billion people on the planet, if you had a mole of pennies and you gave an even amount to each person, how many dollars would each person get?
- How many atoms are in a 2 moles of carbon?
- How many moles of iron atoms are present, if there are 3.40×10^{21} atoms of iron atoms.
- How many sodium ions are present if there are 2.5×10^{-1} moles of sodium phosphate?
- How many chloride ions are present if there are 4.5×10^{-2} moles of iron(II) chloride?
- How many atoms of chlorine are present in 2.1×10^{-3} moles of phosphorous pentachloride?
- The molar mass is the _____ of the weighted average mass of the atoms or ions in the compound.
- Methane is also known as natural gas. Most homes heat water by combusting natural gas. What is the molar mass of methane (CH_4)?
- Propane is used for grilling. What is the molar mass of propane (C_3H_8)?