



carbon 12



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Wikipedia https://en.wikipedia.org/wiki/Carbon-12

### Carbon-12

Carbon-12 (<sup>12</sup>C) is the most abundant of the two stable isotopes of carbon (carbon-13 being the other), amounting to 98.93% of element carbon on Earth; ...

Isotope mass: 12 Da Natural abundance: 98.93%  
Neutrons (N): 6 Excess energy: 0.0 keV

History · Hoyle state

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Britannica https://www.britannica.com/Science/Chemistry

### Carbon-12 | isotope

Carbon-14, which is radioactive, is the isotope used in radiocarbon dating and radiolabeling. Read More.

ScienceDirect https://www.sciencedirect.com/topics/carbon-12

### Carbon 12 - an overview

Carbon (C, atomic number 6) occurs in nature predominantly as the stable isotopes carbon-12 (98.89%) and carbon-13 (1.1%). Its most important radioactive ...

UCLA http://www.chem.ucla.edu/harding/IGOC/carbon...

### Illustrated Glossary of Organic Chemistry - Carbon-12

Carbon-12 (<sup>12</sup>C): The carbon isotope whose nucleus contains six protons and six neutrons. This gives an atomic mass of 12 amu.

Carbon 12 gallery https://www.carbon12.art

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Department of Energy (.gov) https://www.energy.gov/science/doe-explainsisoto...

### DOE Explains...Isotopes

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## Carbon-12

Isotope

Carbon-12 is the most abundant of the two stable isotopes of carbon, amounting to 98.93% of element carbon on Earth; its abundance is due to the triple-alpha process by which it is created in stars. [Wikipedia](#)

**Protons:** 6  
**Binding energy:** 92161.753±0.014 keV  
**Names:** carbon-12, 12C, C-12  
**Parent isotopes:** <sup>12</sup>N, <sup>12</sup>B  
**Spin:** 0  
**Symbol:** <sup>12</sup>C


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For example, carbon has six protons and is atomic number 6. Carbon occurs naturally in three isotopes: **carbon 12**, which has 6 neutrons (plus 6 protons ...

 National Oceanic and Atmospheric Administration (.gov)  
https://gml.noaa.gov › ccgg › isotopes › chemistry

### Isotopes of Carbon

By far the most common isotope of carbon is **carbon-12** (<sup>12</sup>C), which contains six neutrons in addition to its six protons. The next heaviest carbon isotope, ...

 HHS.gov  
https://remm.hhs.gov › atomicshorthand

### Atomic Number and Atomic Mass

19 Jan 2023 — Two different forms, or isotopes, of carbon are shown below: **Carbon-12**: with 6 protons and 6 neutrons and an atomic mass of 12; **Carbon-14**: ...

 Chem Europe  
https://www.chemurope.com › encyclopedia › Carbo...

### Carbon-12

**Carbon-12** is the more abundant of the two stable isotopes of the element carbon, accounting for 98.89% of carbon; it contains 6 protons, 6 neutrons and 6 ...

 Merriam-Webster  
https://www.merriam-webster.com › dictionary › carb...

### Carbon 12 Definition & Meaning

The meaning of **CARBON 12** is an isotope of carbon of mass number 12 that is the most abundant carbon isotope and is used as a standard for measurements of ...

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