

PERIODIC TABLE (ADVANCED)

Molecular Structure of Hydrogen



Basic Information

Name: Hydrogen
Symbol: H
Atomic Number: 1
Atomic Mass: 1.00794 amu
Melting Point: -259.34°C ($14.009185^{\circ}\text{K}$, $-434.41203^{\circ}\text{F}$)
Boiling Point: -252.87°C ($20.268905^{\circ}\text{K}$, -423.166°F)
Number of Protons/Electrons: 1
Number of Neutrons: 0
Classification: Non-metal
Crystal Structure: Hexagonal
Density @ 293 K: 0.08989 g/cm³
Color: colorless

Atomic Structure

Number of Energy Levels: 1
First Energy Level: 1

Isotopes

Isotope	Half-life
H-1	Stable
H-2	Stable
H-3	12.3 years

Facts

Name Origin: from words *hydro* (water) and *genes* (generated)
Uses: balloons, metal refining
Obtained From: mines, oil, gas wells

Molecular Structure of Carbon



Name: Carbon

Symbol: C
Atomic Number: 6
Atomic Mass: 12.0107 amu
Melting Point: 3500.0°C (3773.15°K , 6332.8°F)
Boiling Point: 4827.8°C (5100.95°K , 8700.0°F)
Number of Protons/Electrons: 6
Number of Neutrons: 6
Classification: Non-metal
Crystal Structure: Hexagonal
Density @ 293 K: 2.62 g/cm³
Color: May be black

Atomic Structure

Number of Energy Levels: 2
First Energy Level: 2 Second Energy Level: 4

Isotopes

Isotope	Half-life
C-11	20.3 minutes
C-12	Stable
C-13	Stable
C-14	5730.0 years
C-15	2.5 seconds

Facts

Uses: steel, fibers
Obtained From: burning with insufficient oxygen

Periodic Table Advanced Speedy Study Guide

Didier Musso



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Periodic Table (Advanced) Speedy Publishing,2014-08-01 An advanced periodic table of elements displays not only the elements but the ions that form each element A pamphlet with such a visual aid would greatly benefit chemistry students Any student taking chemistry will need to learn the elements A pamphlet would be concise and break the information down simply making it easier to understand and remember It allows students to simply focus on the main point rather than taking in information that they may or may not need **Periodic Table (Advanced) (Speedy Study Guide)** Speedy

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