

H

Li

Na

K

Rb

Cs

Fr

Be

Mg

Ca

Sr

Ba

Ra

Sc

Ti

V

Cr

Mn

Fe

Co

Ni

Cu

Zn

Ga

Ge

As

Se

Br

Kr

Y

Zr

Nb

Mo

Tc

Ru

Rh

Pd

Ag

Cd

In

Sn

Sb

Te

I

Xe

Ce

Pr

Nd

Pm

Sm

Eu

Gd

Tb

Dy

Ho

Er

Tm

Yb

Lu

Hf

Ta

W

Re

Os

Ir

Pt

Au

Hg

Tl

Pb

Bi

Po

At

Rn

Th

Pa

U

Np

Pu

Am

Cm

Bk

Cf

Es

Fm

Md

No

Lr

Rf

Db

Sg

Bh

Hs

Mt

Ds

Rg

Cn

Nh

Fl

Mc

Lv

Ts

Og

He

B

C

N

O

F

Ne

Al

Si

P

S

Cl

Ar

Background Color:
Black White Gray

Home

Common Properties

Abundance in Earth's Crust

Discovery Year

Abundance in Humans

Electrical Conductivity

Abundance in Meteorites

Electron Affinity

Abundance in the Ocean

Electron Configuration

Abundance in the Sun

Electronegativity

Abundance in the Universe

Half Life

Atomic Mass

Heat of Fusion

Atomic Number

Heat of Vaporization

Atomic Radius

Ionization Energies

Boiling Point

Melting Point

Covalent Radius

Specific Heat

Density

Other Properties

Adiabatic Index

Mohs Hardness

Allotrope Names

Molar Magnetic Susceptibility

Alternate Names

Molar Volume

Block

Neutron Cross Section

Brinell Hardness

Neutron Mass Absorption

Bulk Modulus

NFPA Label

CAS Number

Period

CID Number

Phase

Color

Poisson Ratio

Critical Pressure

Quantum Numbers

Critical Temperature

Radioactive

Crystal Structure

Refractive Index

Curie Point

Resistivity

Decay Mode

RTECS Number

DOT Hazard Class

Series

DOT Numbers

Shear Modulus

Electrical Type

Space Group Name

Gas Atomic Multiplicities

Space Group Number

Group

Speed of Sound

Isotope Abundances

Superconducting Point

Isotopes (All Known)

Symbol

Isotopes (Stable)

Thermal Conductivity

Lattice Angles

Thermal Expansion

Lattice Constants

Valence

Lifetime

Van Der Waals Radius

Liquid Density

Vickers Hardness

Magnetic Type

Volume Magnetic Susceptibility

Electrical Conductivity of the elements

Text lists sorted by: Value | Atomic Number | Alphabetical

Plots: Shaded | Ball | Crossed Line | Scatter | Sorted Scatter

Log scale plots: Shaded | Ball | Crossed Line | Scatter | Sorted Scatter

Good for this property: Crossed Line

Sulfur	1×10 ⁻¹⁵ S/m	Lead	4.8×10 ⁶ S/m	Hydrogen	N/A
Bromine	1×10 ⁻¹⁰ S/m	Vanadium	5×10 ⁶ S/m	Helium	N/A
Iodine	1×10 ⁻⁷ S/m	Technetium	5×10 ⁶ S/m	Nitrogen	N/A
Boron	0.0001 S/m	Cesium	5×10 ⁶ S/m	Oxygen	N/A
Chlorine	0.01 S/m	Rhenium	5.6×10 ⁶ S/m	Fluorine	N/A
Silicon	1000 S/m	Protactinium	5.6×10 ⁶ S/m	Neon	N/A
Germanium	2000 S/m	Niobium	6.7×10 ⁶ S/m	Argon	N/A
Tellurium	10000 S/m	Thallium	6.7×10 ⁶ S/m	Selenium	N/A
Carbon	100000 S/m ^[note]	Thorium	6.7×10 ⁶ S/m	Krypton	N/A
Manganese	620000 S/m	Gallium	7.1×10 ⁶ S/m	Xenon	N/A
Plutonium	670000 S/m	Strontium	7.7×10 ⁶ S/m	Astatine	N/A
Gadolinium	770000 S/m	Tantalum	7.7×10 ⁶ S/m	Radon	N/A
Bismuth	770000 S/m	Chromium	7.9×10 ⁶ S/m	Francium	N/A
Terbium	830000 S/m	Rubidium	8.3×10 ⁶ S/m	Actinium	N/A
Neptunium	830000 S/m	Tin	9.1×10 ⁶ S/m	Americium	N/A
Mercury	1×10 ⁶ S/m	Platinum	9.4×10 ⁶ S/m	Curium	N/A
Radium	1×10 ⁶ S/m	Phosphorus	1×10 ⁷ S/m	Berkelium	N/A
Samarium	1.1×10 ⁶ S/m	Iron	1×10 ⁷ S/m	Californium	N/A
Europium	1.1×10 ⁶ S/m	Palladium	1×10 ⁷ S/m	Einsteinium	N/A
Dysprosium	1.1×10 ⁶ S/m	Lithium	1.1×10 ⁷ S/m	Fermium	N/A
Holmium	1.1×10 ⁶ S/m	Indium	1.2×10 ⁷ S/m	Mendelevium	N/A
Erbium	1.2×10 ⁶ S/m	Osmium	1.2×10 ⁷ S/m	Nobelium	N/A
Promethium	1.3×10 ⁶ S/m	Potassium	1.4×10 ⁷ S/m	Lawrencium	N/A
Cerium	1.4×10 ⁶ S/m	Nickel	1.4×10 ⁷ S/m	Rutherfordium	N/A
Praseodymium	1.4×10 ⁶ S/m	Ruthenium	1.4×10 ⁷ S/m	Dubnium	N/A
Thulium	1.4×10 ⁶ S/m	Cadmium	1.4×10 ⁷ S/m	Seaborgium	N/A
Lanthanum	1.6×10 ⁶ S/m	Cobalt	1.7×10 ⁷ S/m	Bohrium	N/A
Neodymium	1.6×10 ⁶ S/m	Zinc	1.7×10 ⁷ S/m	Hassium	N/A
Scandium	1.8×10 ⁶ S/m	Molybdenum	2×10 ⁷ S/m	Meitnerium	N/A
Yttrium	1.8×10 ⁶ S/m	Tungsten	2×10 ⁷ S/m	Darmstadtium	N/A
Lutetium	1.8×10 ⁶ S/m	Sodium	2.1×10 ⁷ S/m	Roentgenium	N/A
Polonium	2.3×10 ⁶ S/m	Iridium	2.1×10 ⁷ S/m	Copernicium	N/A
Zirconium	2.4×10 ⁶ S/m	Magnesium	2.3×10 ⁷ S/m	Nihonium	N/A
Titanium	2.5×10 ⁶ S/m	Rhodium	2.3×10 ⁷ S/m	Flerovium	N/A
Antimony	2.5×10 ⁶ S/m	Beryllium	2.5×10 ⁷ S/m	Moscovium	N/A
Barium	2.9×10 ⁶ S/m	Calcium	2.9×10 ⁷ S/m	Livermorium	N/A
Arsenic	3.3×10 ⁶ S/m	Aluminum	3.8×10 ⁷ S/m	Tennesine	N/A

Hafnium 3.3×10^6 S/mGold 4.5×10^7 S/m

Oganesson N/A

Mass

Ytterbium 3.6×10^6 S/mCopper 5.9×10^7 S/m

Magnetic

Young Modulus

Uranium 3.6×10^6 S/mSilver 6.2×10^7 S/m

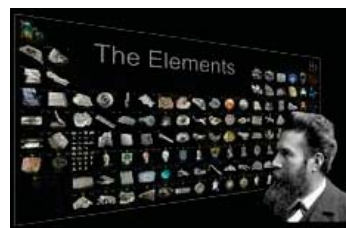
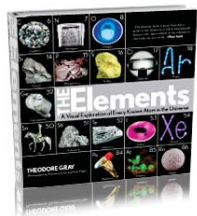
Susceptibility

Memberships

Notes on the Electrical Conductivity of particular elements:

Carbon: Value given for graphite. Diamond electrical conductivity is approximately 0.001.

Up to date, curated data provided by *Mathematica*'s ElementData function from Wolfram Research, Inc.



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