



**Information**

atomic number: 30  
atomic mass: 65.38  
discovered by: 1846  
symbol: Zn  
category: transition metal  
family: 10  
group: 10  
period: 4  
block: d-block  
electronegativity: 1.65  
ionization energy: 900 kJ/mol  
electron affinity: 113 kJ/mol

**Sources and human use**

Zinc makes up about 75 ppm of the earth's crust.  
It is found in association with other base metals.  
The body contains zinc with enzymes and has, on a weight basis, roughly 2-4 grams in the body at all times, with the highest concentration in the liver.  
Zinc deficiency affects about 2 billion people worldwide and contributes to about 800,000 deaths a day.

**History**

The first known alloy containing zinc was brass, known since 1400 BC. It is a alloy of zinc and copper.  
Zinc is commonly found in alloys and is used in many applications.  
The name of the element was derived from the German word 'Zinn', which means tin.

**website and video**

<http://www.zincinfo.com/how-to/gb-zinc-metal-ebich-for-const-profession-zh-zinc-32516/>



**sources**

- <http://www.bbc.com/news/health-12345>
- <http://www.who.int/news-room/fact-sheets/detail/zinc>
- <http://www.chemed.org/elements/zinc.html>



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electron configuration: [Ar] 3d<sup>10</sup> 4s<sup>2</sup>

### Sources and human use

Zinc makes up about 75 ppm of the earth's crust.  
It is found in association with other base metals.  
The body contains zinc with enzymes and has, on a daily basis, roughly 2-4 grams in the body at all times, with the highest concentration in the liver.  
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### History

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Zinc comes from the German word 'Zinn'.

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<http://www.zincinfo.com/how-to/gb-zinc-metal-ebich-for-real-profession-zh-site-32516/>



### sources

- <http://www.zincinfo.com/zn/history.html>
- <http://www.zincinfo.com/zn/zn.html>
- <http://www.zincinfo.com/zn/zn.html>

## Information

atomic number- 30

atomic mass-65.38

atomic radius- 134 pm.

electronegativity- 1.65

transitional metal

solid at room temperature

family- 12

period- 3

bluish white lustrous metal

crystal structure- hexagonal

electronegativity- 1.65

First isolation was in 1746

## Sources and human use

Zinc makes up about .0075% of the earth's crust

Usually Zinc is found in association with other base elements

The body uses zinc with enzymes and DNA, and has roughly 2-4 grams in the body at all times, with the biggest concentration in the eye.

Zinc deficiency affects about 2 billion people worldwide and contributing to about 800,000 deaths in children

## history

the first brass alloys (containing zinc) were found between 1400-1000 B.C. but an alloy of zinc containing 87% zinc was dated to prehistoric times

Zinc is commonly found in alloys and it wasn't until 1746 that the first scientist by the name of Andreas Marggraf isolated the first zinc atom

Zinc comes from the German word Zink

website and video

<http://science.wonderhowto.com/how-to/galvanize-metal-objects-for-rust-protection-with-zinc-370416/>



# Sources

<http://www.webelements.com/zinc/history.html>

<http://lpi.oregonstate.edu/infocenter/minerals/zinc/>

<http://www.chemicool.com/elements/zinc.html>