

# THE CHEMICAL ELEMENTS

Compiled by  
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## WALL CHART

(Actual Size 38 x 50 inches)

**CONTAINS THE FOLLOWING UNBELIEVABLY VAST AMOUNT OF INFORMATION CONCERNING EACH ELEMENT**

Periodic table (based on atomic numbers)

Periodic table (based on atomic weights)

Group and family

Names in English, German, French, and Russian

Derivation

Discovery: Date, discoverer, nationality

Symbol and atomic number

Arrangement of electrons in orbits

Atomic weight

Isotopes (993 in all)

Valence

Crystalline form and color

Specific gravity or density

Melting and boiling points

Specific heat

Heats of vaporization and fusion

Heat conductivity

Electrical resistivity

Coefficient of thermal expansion

Occurrence, preparation, and uses

The radioactive elements

The Uranium-Radium Series (4, +2)

The Actinium Series (4, +3)

The Thorium Series (4, +1)

The Neptunium Series (4, +1)

Map showing production in U.S.A.

Distribution in earth crust, in ocean, in atmosphere, and in human body

The Electrochemical Series

Flame and borax bead tests

Mechanical properties of principal metals

Critical constants for gaseous elements

Alchemical symbols

Index to the elements

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**Production of Chemical Elements in the United States**



**Production of Chemical Elements in the United States**

Element

Production (tons)

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### MEDICINE

## DiETING Drug Causes No Jumpiness

► A DIETING drug that creates an average weight loss of two pounds a week without making the dieter jumpy was exhibited to the American Medical Association meeting in Philadelphia.

The drug is an appetite-depressant called Levonor and is available by prescription only. It has absolutely no side effects, is inexpensive, and can be used by virtually all dieters, Dr. Raymond J. Gadek, New York Medical College, New York, one of the exhibitors, said.

The drug is the nearest thing yet to the ideal appetite-depressant, Dr. Gadek told **SCIENCE SERVICE**. Its great advantage is that it has no stimulating effect on the central nervous system, a condition found with all the other similar drugs now on the market. It diminishes hunger without cutting it out completely and is particularly useful for late television viewers who cannot resist the urge to nibble.

Associated with Dr. Gadek in the studies on the drug were Drs. Harold S. Feldman and Ralph Lucariello. Levonor is produced by Nordmark Pharmaceutical Laboratories, Irvington, N. J.

Science News Letter, January 11, 1958

## Do You Know?

Golf balls, treated with *gamma rays*, give longer driving distances and have tougher covers.

Scientists have successfully used a systemic *insecticide* against the European elm bark beetle, carrier of elm disease.

A world's speed record for *material handling* was set when a two-mile conveyor system averaged 83,333 tons a day during a 30-day period.

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