

H

1

WATERSTOF

1,01

Li

3

LITIUM

6,94

Be

4

BERILLIUM

9,01

Na

11

NATRIUM

22,99

Mg

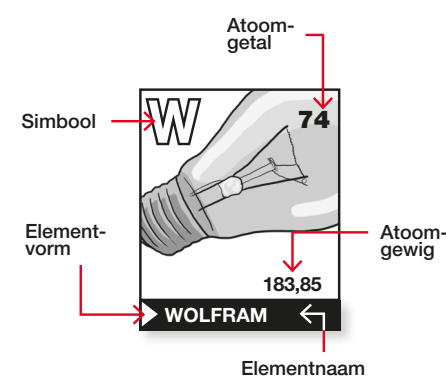
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MAGNESIUM

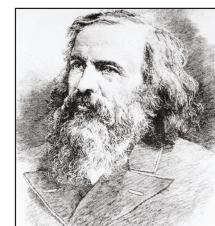
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BY KAMERTEMPERATUUR IS DIE ELEMENT

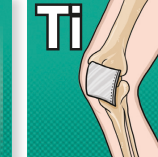
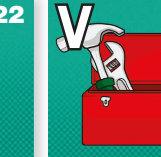
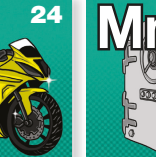
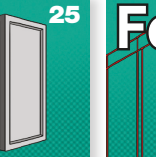
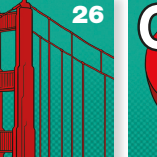
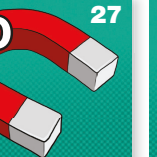
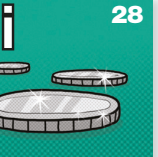
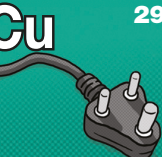
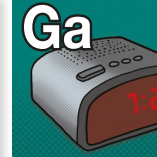
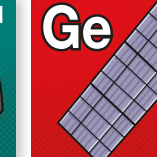
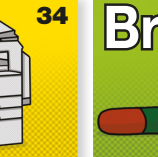
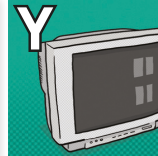
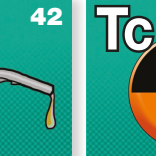
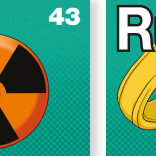
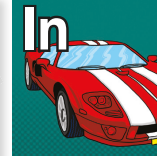
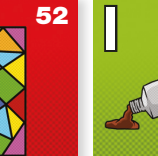
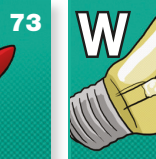
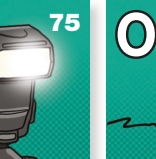
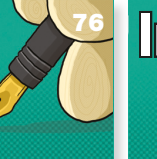
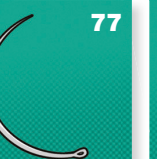
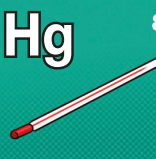
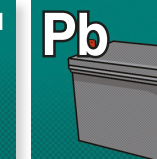
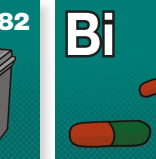
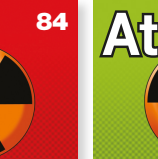
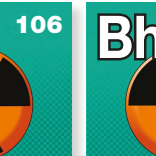
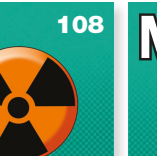
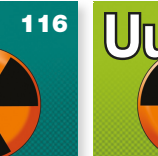
- GAS
- VLOEISTOF
- NATUURLIKE VASTE STOF
- SINTETIESE VASTE STOF



Periodieke tabel van ELEMENTE



DMITRI MENDELEEV (1834 – 1907)
 Dmitri Mendeleev is die man wat die elemente vir die eerste keer in 'n periodieke tabel georganiseer het. Mendeleev is in 1834 in Tobolsk, Siberië, gebore en is in 1907 oorlede. Hy het in 1856 sy wetenskapstudies in St. Petersburg voltooi. In 1863 is Mendeleev as professor aangestel en in 1866 as die hoof van die universiteit. Hy het die 63 bekende elemente volgens hul atoomgewig in 'n Periodieke Tabel ingedeel, en dit in 1869 in sy boek *Die Beginsels van Chemie* gepubliseer. In sy eerste tabel is die elemente in stygende volgorde volgens hul atoomgewig gelys en is elemente volgens hul ooreenkomste saamgegroeper. Hy het die bestaan van nuwe elemente voorspel en besef dat die atoomgewig van sommige elemente verkeerd aangegee is. Mendeleev se tabel het die pogings tot klassifikasie deur Alexandre-Émile Béguyer de Chancourtois van Frankryk en John Newlands van Engeland oortref en is 'n jaar voor die werk van Lothar Meyer van Duitsland gepubliseer.

K 19  39,10 KALIUM	Ca 20  40,08 KALSIUM	Sc 21  44,96 SKANDIUM	Ti 22  47,88 TITAAN	V 23  50,94 VANADIUM	Cr 24  52,00 CHROOM	Mn 25  54,94 MANGAAN	Fe 26  55,85 YSTER	Co 27  58,93 KOBALT	Ni 28  58,69 NIKKEL	Cu 29  63,55 KOPER	Zn 30  65,39 SINK	Ga 31  69,72 GALLIUM	Ge 32  72,61 GERMANIUM	As 33  74,92 ARSEEN	Se 34  78,96 SELENIUM	Br 35  79,90 BROOM	Kr 36  83,80 KRIPTON	
Rb 37  85,47 RUBIDIUM	Sr 38  87,62 STRONTIUM	Y 39  88,91 ITTRIUM	Zr 40  91,22 SIRKONIUM	Nb 41  92,91 NIOBIUM	Mo 42  95,94 MOLIBDEEN	Tc 43  (98) TEGNESIUM	Ru 44  101,07 RUTENIUM	Rh 45  102,91 RODIUM	Pd 46  106,42 PALLADIUM	Ag 47  107,87 SILWER	Cd 48  112,41 KADMIUM	In 49  114,82 INDIUM	Sn 50  118,71 TIN	Sb 51  121,76 ANTIMOON	Te 52  127,60 TELLUUR	I 53  126,90 JODIUM	Xe 54  131,29 XENON	
Cs 55  132,91 SESIIUM	Ba 56  137,33 BARIUM	57-71 LANTANIEDE		Hf 72  178,49 HAFNIUM	Ta 73  180,95 TANTAAL	W 74  183,85 WOLFRAM	Re 75  186,21 RENIUM	Os 76  190,23 OSMIUM	Ir 77  192,22 IRIDIUM	Pt 78  195,08 PLATINUM	Au 79  196,97 GOUD	Hg 80  200,59 KWIK	Tl 81  204,38 TALLIUM	Pb 82  207,20 LOOD	Bi 83  208,98 BISMUT	Po 84  (209) POLONIUM	At 85  (210) ASTAAT	Rn 86  (222) RADON
Fr 87  (223) FRANSIUM	Ra 88  (226) RADIUM	89-103 AKTINIEDE		Rf 104  (267) RUTHERFORDIUM	Db 105  (268) DUBNIUM	Sg 106  (271) SEABORGIUM	Bh 107  (272) BOHRIUM	Hs 108  (270) HASSIUM	Mt 109  (276) MEITNERIUM	Ds 110  (281) DARMSTADIUM	Rg 111  (280) ROENTGENIUM	Uub 112  (285) UNUNBIUM	Uut 113  (284) UNUNTRIUM	Uuq 114  (289) UNUNQUADIUM	Uup 115  (288) UNUNPENTIUM	Uuh 116  (293) UNUNHEXIUM	Uus 117  (294) UNUNSEPTIUM	Uuo 118  (294) UNUNOCTIUM

ALKALI-METALE

AARD-ALKALI

OORGANGS-ELEMENT

BASIESE METAAL

HALF-METAAL

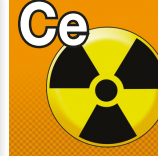
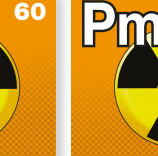
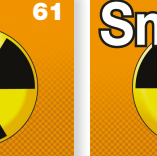
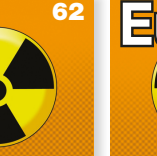
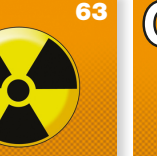
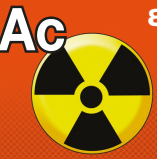
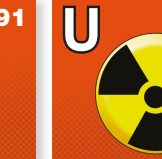
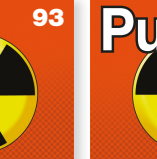
NIE-METAAAL

HALOGEEN

EDEL-GAS

LANTA-NIEDE

AKTI-NIEDE

La 57  138,91 LANTAAN	Ce 58  140,12 SERIUM	Pr 59  140,90 PRASEODIMIUM	Nd 60  144,24 NEODIMIUM	Pm 61  (145) PROMETIUM	Sm 62  150,36 SAMARIUM	Eu 63  151,96 EUROPIUM	Gd 64  157,25 GADOLINIUM	Tb 65  158,92 TERBIUM	Dy 66  162,50 DISPROSIUM	Ho 67  164,93 HOLMIUM	Er 68  167,26 ERBIUM	Tm 69  168,93 TULIUM	Yb 70  173,04 ITTERBIUM	Lu 71  174,96 LUTETIUM
Ac 89  (227,02) AKTINIUM	Th 90  232,03 TORIUM	Pa 91  231,03 PROTAKTINIUM	U 92  238,02 URAAAN	Np 93  (237) NEPTUNIUM	Pu 94  (244) PLUTONIUM	Am 95  (243) AMERISIUM	Cm 96  (247) CURIUM	Bk 97  (247) BERKELIUM	Cf 98  (251) KALIFORNIUM	Es 99  (252) EINSTEINIUM	Fm 100  (257) FERMIUM	Md 101  (258) MENDELEVIUM	No 102  (259) NOBELIUM	Lr 103  (262) LAWRENSIUM

ALKALI-METALE	NIE-METAAL
AARD-ALKALI	HALOGEEN
OORGANGS-ELEMENT	EDEL-GAS
BASIESE METAAL	LANTA-NIEDE
HALF-METAAL	AKTI-NIEDE