

# Grunnstoffenes periodesystem

1s	1	2											13	14	15	16	17	18		
			23 <b>V</b> 50.94 vanadium	Atomnummer Symbol Atommasse* Navn										1 <b>H</b> 1.008 hydrogen						2 <b>He</b> 4.003 helium
2s	3 <b>Li</b> 6.941 litium	4 <b>Be</b> 9.012 beryllium	*Når atommassen står i parentes finnes det ingen stabile isotoper av grunnstoffet. Tallet i parentes er nukleontallet til den isotopen som har lengst halveringstid. Tallene over kolonnene er gruppenummeret. Tallene til venstre for hver rad er periodenummeret. Tall med bokstav er underskallet som fylles i grunnstoffene til høyre for bokstaven										2p	5 <b>B</b> 10.81 bor	6 <b>C</b> 12.01 karbon	7 <b>N</b> 14.01 nitrogen	8 <b>O</b> 16.00 oksygen	9 <b>F</b> 19.00 fluor	10 <b>Ne</b> 20.18 neon	
3s	11 <b>Na</b> 22.99 natrium	12 <b>Mg</b> 24.30 magnesium	3	4	5	6	7	8	9	10	11	12	3p	13 <b>Al</b> 26.98 aluminium	14 <b>Si</b> 28.09 silisium	15 <b>P</b> 30.97 fosfor	16 <b>S</b> 32.07 svovel	17 <b>Cl</b> 35.45 klor	18 <b>Ar</b> 39.95 argon	
4s	19 <b>K</b> 39.10 kalium	20 <b>Ca</b> 40.08 kalsium	3d	21 <b>Sc</b> 44.96 scandium	22 <b>Ti</b> 47.88 titan	23 <b>V</b> 50.94 vanadium	24 <b>Cr</b> 52.00 krom	25 <b>Mn</b> 54.94 mangan	26 <b>Fe</b> 55.85 jern	27 <b>Co</b> 58.93 kobolt	28 <b>Ni</b> 58.69 nikkel	29 <b>Cu</b> 63.55 kobber	30 <b>Zn</b> 65.39 sink	4p	31 <b>Ga</b> 69.72 gallium	32 <b>Ge</b> 72.61 germanium	33 <b>As</b> 74.92 arsen	34 <b>Se</b> 78.96 selen	35 <b>Br</b> 79.90 brom	36 <b>Kr</b> 83.80 krypton
5s	37 <b>Rb</b> 85.47 rubidium	38 <b>Sr</b> 87.62 strontium	4d	39 <b>Y</b> 88.91 yttrium	40 <b>Zr</b> 91.22 zirkonium	41 <b>Nb</b> 92.91 niob	42 <b>Mo</b> 95.94 molybden	43 <b>Tc</b> (98) technetium	44 <b>Ru</b> 101.1 ruthenium	45 <b>Rh</b> 102.9 rhodium	46 <b>Pd</b> 106.4 palladium	47 <b>Ag</b> 107.9 sølv	48 <b>Cd</b> 112.4 kadmium	5p	49 <b>In</b> 114.8 indium	50 <b>Sn</b> 118.7 tinn	51 <b>Sb</b> 121.8 antimon	52 <b>Te</b> 127.6 tellur	53 <b>I</b> 126.9 jod	54 <b>Xe</b> 131.3 xenon
6s	55 <b>Cs</b> 132.9 cesium	56 <b>Ba</b> 137.3 barium	5d	57-71	72 <b>Hf</b> 178.5 hafnium	73 <b>Ta</b> 180.9 tantal	74 <b>W</b> 183.8 wolfram	75 <b>Re</b> 186.2 rhenium	76 <b>Os</b> 190.2 osmium	77 <b>Ir</b> 192.2 iridium	78 <b>Pt</b> 195.1 platina	79 <b>Au</b> 197.0 gull	80 <b>Hg</b> 200.6 kvikksølv	6p	81 <b>Tl</b> 204.4 thallium	82 <b>Pb</b> 207.2 bly	83 <b>Bi</b> 209.0 vismut	84 <b>Po</b> (209) polonium	85 <b>At</b> (210) astat	86 <b>Rn</b> (222) radon
7s	87 <b>Fr</b> (223) francium	88 <b>Ra</b> (226) radium	6d	89-103	104 <b>Rf</b> (261) rutherfordium	105 <b>Db</b> (262) dubnium	106 <b>Sg</b> (263) seaborgium	107 <b>Bh</b> (262) bohrium	108 <b>Hs</b> (265) hassium	109 <b>Mt</b> (266) meitnerium	110 <b>Ds</b> (269) darmstadium	111 <b>Rg</b> (272) røntgenium	112 <b>Uub</b> (277) ununbium	7p		114 <b>Uuq</b> (289) ununkvadrium		116 <b>Uuh</b> (293) ununheksium		118 <b>Uuo</b> (293) ununoktium

<b>X</b> gass ved 25 °C	<b>X</b> væske ved 25 °C
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4f	57 <b>La</b> 138.9 lantan	58 <b>Ce</b> 140.1 cerium	59 <b>Pr</b> 140.9 praseodym	60 <b>Nd</b> 144.2 neodym	61 <b>Pm</b> (145) promethium	62 <b>Sm</b> 150.4 samarium	63 <b>Eu</b> 152.0 europium	64 <b>Gd</b> 157.2 gadolinium	65 <b>Tb</b> 158.9 terbium	66 <b>Dy</b> 162.5 dysprosium	67 <b>Ho</b> 164.9 holmium	68 <b>Er</b> 167.3 erbio	69 <b>Tm</b> 168.9 thulium	70 <b>Yb</b> 173.0 ytterbium	71 <b>Lu</b> 175.0 lutetium
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Ikke- metall	Halv- metall	Metall
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5f	89 <b>Ac</b> (227) actinium	90 <b>Th</b> 232.0 thorium	91 <b>Pa</b> 231.0 protactinium	92 <b>U</b> 238.0 uran	93 <b>Np</b> 237.0 neptunium	94 <b>Pu</b> (244) plutonium	95 <b>Am</b> (243) americium	96 <b>Cm</b> (247) curium	97 <b>Bk</b> (247) berkelium	98 <b>Cf</b> (251) californium	99 <b>Es</b> (252) einsteinium	100 <b>Fm</b> (257) fermium	101 <b>Md</b> (258) mendelevium	102 <b>No</b> (259) nobelium	103 <b>Lr</b> (260) lawrencium
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