

# DET PERIODISKE SYSTEM

Hovedgrupper		Hovedgrupper	
1	2	3	4
<b>Hydrogen</b> <b>1 H</b> (Brint) $T_s = -259\text{ °C}$ $T_k = -253\text{ °C}$ $d = 0,084\text{ g/L}$			
<b>Lithium</b> <b>3 Li</b> $T_s = 181\text{ °C}$ $T_k = 1342\text{ °C}$ $d = 0,53\text{ g/cm}^3$	<b>Beryllium</b> <b>4 Be</b> $T_s = 1278\text{ °C}$ $T_k = 2471\text{ °C}$ $d = 1,85\text{ g/cm}^3$	<b>Bor</b> <b>5 B</b> $T_s = 2075\text{ °C}$ $T_k = 4000\text{ °C}$ $d = 2,34\text{ g/cm}^3$	<b>Carbon</b> <b>6 C</b> (Kulstof) $T_s = 3550\text{ °C}$ $T_k = 4827\text{ °C}$ $d = 3,51\text{ g/cm}^3$
<b>Natrium</b> <b>11 Na</b> $T_s = 97,7\text{ °C}$ $T_k = 883\text{ °C}$ $d = 0,97\text{ g/cm}^3$	<b>Magnesium</b> <b>12 Mg</b> $T_s = 650\text{ °C}$ $T_k = 1090\text{ °C}$ $d = 1,74\text{ g/cm}^3$	<b>Aluminium</b> <b>13 Al</b> $T_s = 660\text{ °C}$ $T_k = 2519\text{ °C}$ $d = 2,70\text{ g/cm}^3$	<b>Silicium</b> <b>14 Si</b> $T_s = 1410\text{ °C}$ $T_k = 3265\text{ °C}$ $d = 2,33\text{ g/cm}^3$
<b>Kalium</b> <b>19 K</b> $T_s = 63,4\text{ °C}$ $T_k = 759\text{ °C}$ $d = 0,86\text{ g/cm}^3$	<b>Calcium</b> <b>20 Ca</b> $T_s = 842\text{ °C}$ $T_k = 1484\text{ °C}$ $d = 1,54\text{ g/cm}^3$	<b>Gallium</b> <b>31 Ga</b> $T_s = 29,8\text{ °C}$ $T_k = 2204\text{ °C}$ $d = 5,91\text{ g/cm}^3$	<b>Germanium</b> <b>32 Ge</b> $T_s = 938\text{ °C}$ $T_k = 2833\text{ °C}$ $d = 5,32\text{ g/cm}^3$
<b>Rubidium</b> <b>37 Rb</b> $T_s = 38,9\text{ °C}$ $T_k = 688\text{ °C}$ $d = 1,53\text{ g/cm}^3$	<b>Strontium</b> <b>38 Sr</b> $T_s = 777\text{ °C}$ $T_k = 1382\text{ °C}$ $d = 2,54\text{ g/cm}^3$	<b>Indium</b> <b>49 In</b> $T_s = 157\text{ °C}$ $T_k = 2072\text{ °C}$ $d = 7,31\text{ g/cm}^3$	<b>Tin</b> <b>50 Sn</b> $T_s = 232\text{ °C}$ $T_k = 2602\text{ °C}$ $d = 7,3\text{ g/cm}^3$
<b>Caesium</b> <b>55 Cs</b> $T_s = 28,4\text{ °C}$ $T_k = 671\text{ °C}$ $d = 1,90\text{ g/cm}^3$	<b>Barium</b> <b>56 Ba</b> $T_s = 727\text{ °C}$ $T_k = 1640\text{ °C}$ $d = 3,59\text{ g/cm}^3$	<b>Cadmium</b> <b>48 Cd</b> $T_s = 321\text{ °C}$ $T_k = 767\text{ °C}$ $d = 8,65\text{ g/cm}^3$	<b>Kviksølv</b> <b>80 Hg</b> $T_s = -38,8\text{ °C}$ $T_k = 357\text{ °C}$ $d = 13,6\text{ g/cm}^3$
<b>Francium</b> <b>87 Fr*</b> $T_s = 27\text{ °C}$ $T_k = 677\text{ °C}$	<b>Radium</b> <b>88 Ra*</b> $T_s = 700\text{ °C}$ $T_k = 1140\text{ °C}$ $d = 5,0\text{ g/cm}^3$	<b>Roentgenium</b> <b>111 Rg*</b> $T_s = 1064\text{ °C}$ $T_k = 3000\text{ °C}$ $d = 7,3\text{ g/cm}^3$	<b>Copernicium</b> <b>112 Cn*</b> $T_s = 1359\text{ °C}$ $T_k = 3221\text{ °C}$ $d = 8,25\text{ g/cm}^3$
<b>Lanthanoiderne</b>			
<b>Lanthan</b> <b>57 La</b> $T_s = 920\text{ °C}$ $T_k = 3455\text{ °C}$ $d = 6,17\text{ g/cm}^3$	<b>Cerium</b> <b>58 Ce</b> $T_s = 799\text{ °C}$ $T_k = 3424\text{ °C}$ $d = 6,7\text{ g/cm}^3$	<b>Praseodym</b> <b>59 Pr</b> $T_s = 931\text{ °C}$ $T_k = 3510\text{ °C}$ $d = 6,78\text{ g/cm}^3$	<b>Neodym</b> <b>60 Nd</b> $T_s = 1016\text{ °C}$ $T_k = 3066\text{ °C}$ $d = 7,00\text{ g/cm}^3$
<b>Actinoiderne</b>			
<b>Actinium</b> <b>89 Ac*</b> $T_s = 1051\text{ °C}$ $T_k = 3200\text{ °C}$ $d = 10,1\text{ g/cm}^3$	<b>Thorium</b> <b>90 Th*</b> $T_s = 1750\text{ °C}$ $T_k = 4780\text{ °C}$ $d = 11,7\text{ g/cm}^3$	<b>Uran</b> <b>92 U*</b> $T_s = 1135\text{ °C}$ $T_k = 4131\text{ °C}$ $d = 19,0\text{ g/cm}^3$	<b>Neptunium</b> <b>93 Np*</b> $T_s = 640\text{ °C}$ $T_k = 3900\text{ °C}$ $d = 20,4\text{ g/cm}^3$

**Eksempel**

Grundstofnavn → Uran  
 Atomnummer → 92 U  
 Grundstofsymbol → U  
 Smeltepunkt →  $T_s = 1135\text{ °C}$   
 Kogepunkt →  $T_k = 4131\text{ °C}$   
 Densitet →  $d = 19,0\text{ g/cm}^3$

Kun radioaktive atomer

Antal elektroner i de forskellige skaller

- Luftart
- Væske
- Fast stof
- Kunstigt fremstillet

Perioder

Undergrupper

Ikke-metaller

Metaller

