Estudi dels elements

**2 Alcalinoterris**

**1 Alcalins**

|  |  |
| --- | --- |
| **1** |  |
| **2** | 4  Be |
| **3** | 12  Mg |
| **4** | 20  Ca |
| **5** | 38  Sr |
| **6** | 56  Ba |
| **7** | 88  Ra |

Franci

Cesi

Rubidi

Potassi

Sodi

Liti

Hidrogen

Radi

Bari

Estronci

Calci

Magnesi

Beril·li

|  |  |
| --- | --- |
| **1** | 1  H |
| **2** | 3  Li |
| **3** | 11  Na |
| **4** | 19  K |
| **5** | 37  Rb |
| **6** | 55  Cs |
| **7** | 87  Fr |

|  |
| --- |
| 57  La |
| 58  Ce |
| 59  Pr |
| 60  Nd |
| 61  Pm |
| 62  Sm |
| 63  Eu |
| 64  Gd |
| 65  Tb |
| 66  Dy |
| 67  Ho |
| 68  Er |
| 69  Tm |
| 70  Yb |
| 71  Lu |

Ceri

Lantani

**3 Halogens Alcalinoterris**

Praseodimi

Luteci

Iterbi

Tuli

Erbi

Holmi

Disprosi

Terbi

Gadolini

Europi

Samari

Prometi

Neodimi

Itri

Escandi

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 21  Sc |
| **5** | 39  Y |
| **6** | (Lantànids) |
| **7** | (Actínids) |

|  |
| --- |
| 89  Ac |
| 90  Th |
| 91  Pa |
| 92  U |
| 93  Np |
| 94  Pu |
| 95  Am |
| 96  Cm |
| 97  Bk |
| 98  Cf |
| 99  Es |
| 100  Fm |
| 101  Md |
| 102  No |
| 103  Lr |

Actini

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 22  Ti |
| **5** | 40  Zr |
| **6** | 72  Hf |
| **7** | 104  Rf |

Hafni

Zirconi

Titani

Laurenci

Nobeli

Mendelevi

Fermi

Einsteini

Californi

Berkeli

Curi

Amerci

Plutoni

Neptuni

Urani

Protoactini

Tori

**4**

Rutherfordi

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 23  V |
| **5** | 41  Nb |
| **6** | 73  Ta |
| **7** | 105  Db |

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 24  Cr |
| **5** | 42  Mo |
| **6** | 74  W |
| **7** | 106  Sg |

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 25  Mn |
| **5** | 43  Tc |
| **6** | 75  Re |
| **7** | 107  Bh |

**7**

**5**

**6**

Manganés

Crom

Vanadi

Tecneci

Molibdé

Niobi

Reni

Tungsté

Tàntal

Bohri

Seaborgi

Dubni

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 26  Fe |
| **5** | 44  Ru |
| **6** | 76  Os |
| **7** | 108  Hs |

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 28  Ni |
| **5** | 46  Pd |
| **6** | 78  Pt |
| **7** | 110  Ds |

**10**

**8**

**9**

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 27  Co |
| **5** | 45  Rh |
| **6** | 77  Ir |
| **7** | 109  Mt |

Platí

Pal·ladi

Niquel

Meitneri

Iridi

Rodi

Cobalt

Hassi

Osmi

Ruteni

Ferro

Darmstadti

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 29  Cu |
| **5** | 47  Ag |
| **6** | 79  Au |
| **7** | 111  Rg |

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** | 30  Zn |
| **5** | 48  Cd |
| **6** | 80  Hg |
| **7** | 112  Cn |

|  |  |
| --- | --- |
| **1** |  |
| **2** | 5  B |
| **3** | 13  Al |
| **4** | 31  Ga |
| **5** | 49  In |
| **6** | 81  Tl |
| **7** | 113  Uut |

**12**

**13**

**11**

Bor

Alumini

Ununtri

Tal·li

Indi

Gal·li

Zinc

Copernici

Mercuri

Cadmi

Or

Roentgeni

Plata

Coure

|  |  |
| --- | --- |
| **1** |  |
| **2** | 6  C |
| **3** | 14  Si |
| **4** | 32  Ge |
| **5** | 50  Sn |
| **6** | 82  Pb |
| **7** | 114  Fl |

|  |  |
| --- | --- |
| **1** |  |
| **2** | 7  N |
| **3** | 15  P |
| **4** | 33  As |
| **5** | 51  Sb |
| **6** | 83  Bi |
| **7** | 115  Uup |

|  |  |
| --- | --- |
| **1** |  |
| **2** | 8  O |
| **3** | 16  S |
| **4** | 34 Se |
| **5** | 52  Te |
| **6** | 84  Po |
| **7** | 87  Lv |

Livermori

Poloni

Tel·luri

Seleni

Sofre

Oxigen

Ununpenti

Bismut

Antimoni

Arsènic

Fòsfor

Nitrogen

Flerovi

Plom

Estany

Germani

Silici

Carboni

**16**

**15**

**14**

**18**

**17**

|  |  |
| --- | --- |
| **1** |  |
| **2** | 9  F |
| **3** | 17  Cl |
| **4** | 35  Br |
| **5** | 53  I |
| **6** | 85  At |
| **7** | 117  Uus |

|  |  |
| --- | --- |
| **1** | 2  He |
| **2** | 10  Ne |
| **3** | 18  Ar |
| **4** | 36  Kr |
| **5** | 54  Xe |
| **6** | 86  Rn |
| **7** | 118  Uuo |

Ununocti

Radó

Xenó

Criptó

Argó

Neó

Heli

Ununsepti

Àstat

Iode

Brom

Clor

Fluor