INSTITUTO FEDERAL
DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA
Minas Gerais
Campus Bambuí

PERIÓDICA

A

Alda Ernestina dos Santos

APRESENTAÇÃO

Esta Tabela Periódica Inclusiva foi elaborada com o intuito de servir como material de apoio a professores(as) das disciplinas de Ciências e/ou Química que tenham alunos com deficiência auditiva, ou que simplesmente desejam conhecer a representação dos elementos químicos na Língua Brasileira de Sinais (LIBRAS) e utilizar tal linguagem para se referir aos elementos químicos.

Espero que o material lhe seja útil!!!

Alda Ernestina

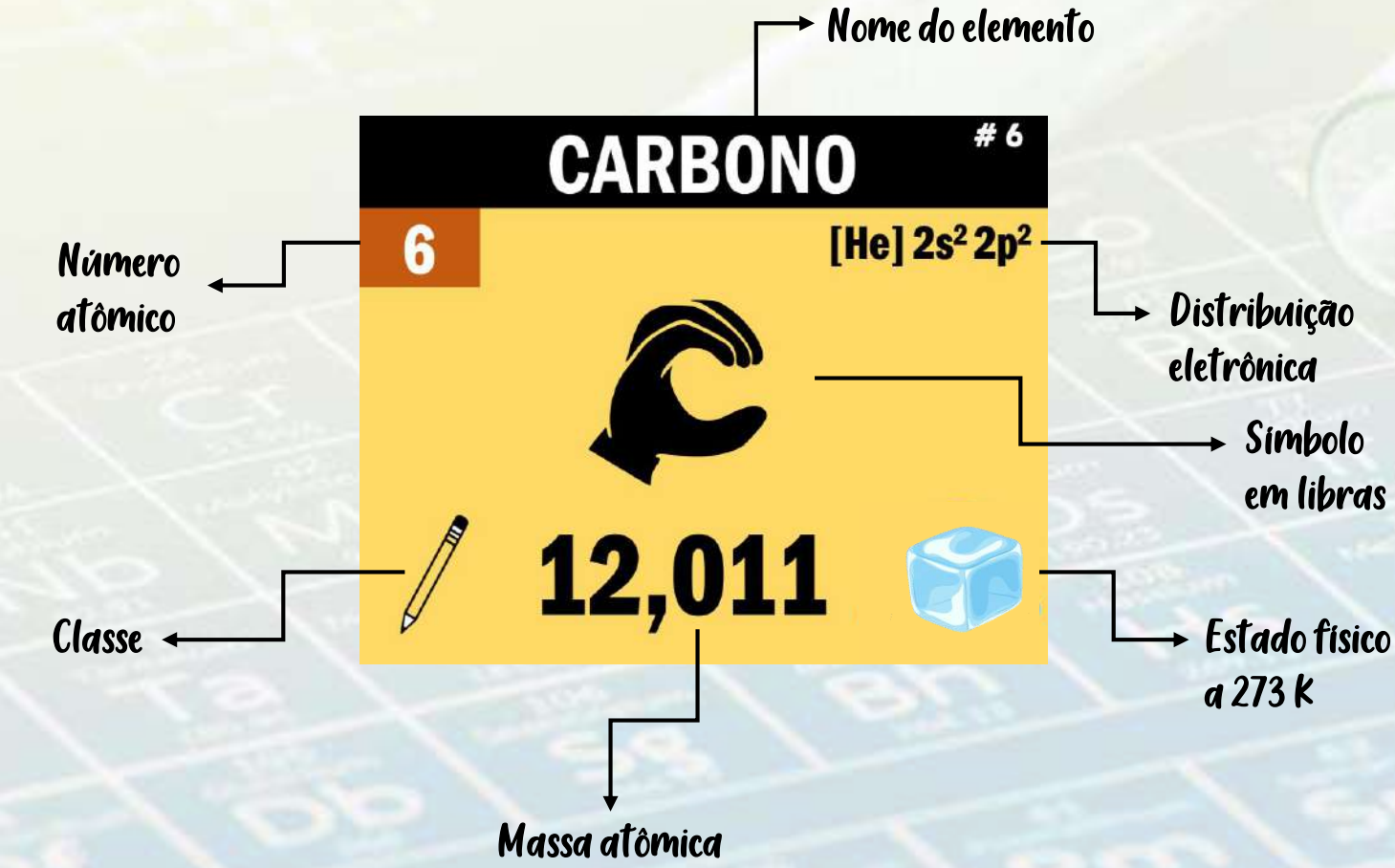
SOBRE A AUTORA

Alda Ernestina dos Santos

Doutora e Mestre em Química pela UFRJ, possui licenciatura plena em Química.

É professora do Núcleo de Química do IFMG *campus* Bambuí, onde está atualmente como membro do Núcleo de Atendimento às Pessoas com Necessidades Educacionais Específicas (NAPNEE) da instituição.

REPRESENTAÇÃO



LEGENDA

METAL

GÁS NOBRE

AMETAL

SÓLIDO

SEMI-METAL

LÍQUIDO

PROPRIEDADES DESCONHECIDAS

GASOSO

COMO UTILIZAR

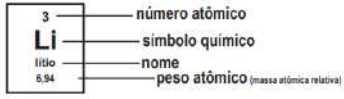
Para ter acesso às informações de cada elemento químico, na Tabela Periódica da próxima página clique sobre o elemento desejado e você será automaticamente direcionado para a página contendo as informações do referido elemento.

Para retornar à Tabela Periódica basta clicar no botão localizado no canto superior esquerdo da página.

Atenção!!!!

É possível que em alguns leitores de PDF os links não funcionem, especialmente no uso em celulares. Desta forma, recomendamos que o arquivo seja aberto no computador.

Tabela periódica



1																	18
1 H hidrogênio 1,008	2											13	14	15	16	17	2 He hélio 4,0026
3 Li lítio 6,94	4 Be berílio 9,0122											5 B boro 10,81	6 C carbono 12,011	7 N nitrogênio 14,007	8 O oxigênio 15,999	9 F flúor 18,998	10 Ne neônio 20,180
11 Na sódio 22,990	12 Mg magnésio 24,305	3	4	5	6	7	8	9	10	11	12	13 Al alumínio 26,982	14 Si silício 28,085	15 P fósforo 30,974	16 S enxofre 32,06	17 Cl cloro 35,45	18 Ar argônio 39,95
19 K potássio 39,098	20 Ca cálcio 40,078(4)	21 Sc escândio 44,956	22 Ti titânio 47,867	23 V vanádio 50,942	24 Cr crômio 51,996	25 Mn manganês 54,938	26 Fe ferro 55,845(2)	27 Co cobalto 58,933	28 Ni níquel 58,693	29 Cu cobre 63,546(3)	30 Zn zinco 65,38(2)	31 Ga gálio 69,723	32 Ge germânio 72,630(8)	33 As arsênio 74,922	34 Se selênio 78,971(8)	35 Br bromo 79,904	36 Kr criptônio 83,798(2)
37 Rb rubídio 85,468	38 Sr estrôncio 87,62	39 Y ítrio 88,906	40 Zr zircônio 91,224(2)	41 Nb nióbio 92,906	42 Mo molibdênio 95,95	43 Tc tecnécio	44 Ru rutênio 101,07(2)	45 Rh ródio 102,91	46 Pd paládio 106,42	47 Ag prata 107,87	48 Cd cádmio 112,41	49 In índio 114,82	50 Sn estanho 118,71	51 Sb antimônio 121,76	52 Te telúrio 127,60(3)	53 I iodo 126,90	54 Xe xenônio 131,29
55 Cs césio 132,91	56 Ba bário 137,33	57 a 71	72 Hf háfnio 178,486(6)	73 Ta tântalo 180,95	74 W tungstênio 183,84	75 Re rênio 186,21	76 Os ósmio 190,23(3)	77 Ir irídio 192,22	78 Pt platina 195,08	79 Au ouro 196,97	80 Hg mercúrio 200,59	81 Tl tálio 204,38	82 Pb chumbo 207,2	83 Bi bismuto 208,98	84 Po polônio	85 At astato	86 Rn radônio
87 Fr frâncio	88 Ra rádio	89 a 103	104 Rf rutherfórdio	105 Db dúbnio	106 Sg seabórgio	107 Bh bóhrio	108 Hs hássio	109 Mt meitnério	110 Ds darmstádtio	111 Rg roentgênio	112 Cn copernício	113 Nh nihônio	114 Fl fleróvio	115 Mc moscóvio	116 Lv livermório	117 Ts tennesso	118 Og oganessônio

57 La lantânio 138,91	58 Ce cério 140,12	59 Pr praseodímio 140,91	60 Nd neodímio 144,24	61 Pm promécio	62 Sm samário 150,36(2)	63 Eu európio 151,96	64 Gd gadolínio 157,25(3)	65 Tb térbio 158,93	66 Dy disprósio 162,50	67 Ho hólmio 164,93	68 Er érbio 167,26	69 Tm túlio 168,93	70 Yb itérbio 173,05	71 Lu lutécio 174,97
89 Ac actínio	90 Th tório 232,04	91 Pa protactínio 231,04	92 U urânio 238,03	93 Np neptúnio	94 Pu plutônio	95 Am amerício	96 Cm cúrio	97 Bk berquélio	98 Cf califórnio	99 Es einstênio	100 Fm férmio	101 Md mendelévio	102 No nobélio	103 Lr laurêncio

Tabela gentilmente cedida pelo prof. Luís Brudna (UNIPAMPA)

www.tabelaperiodica.org

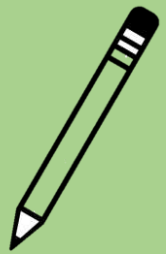
HIDROGÊNIO

#1

1

$1s^1$

1,008



HÉLIO

2

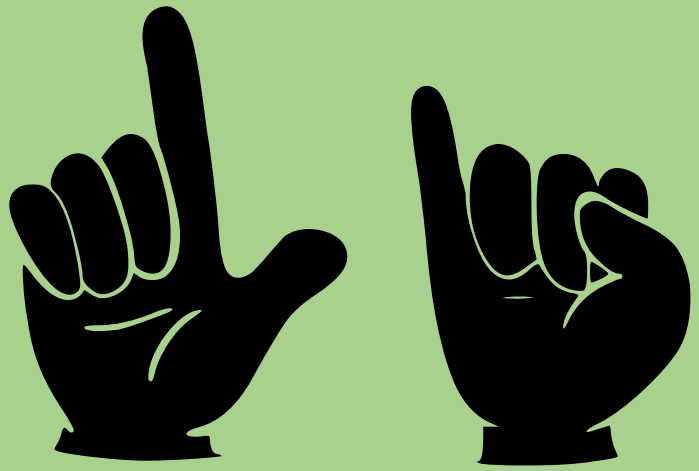
$1s^2$

4,003

LÍTIO

3

$[He]\ 2s^1$



6,94

BERÍLIO

#4

4

$[He]\ 2s^2$

9,012

BORO

5

5

$[He]\ 2s^2\ 2p^1$

10,81

CARBONO

6

6

$[He]\ 2s^2\ 2p^2$

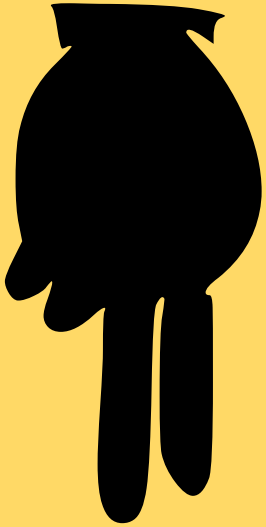
12,011

NITROGÊNIO

7

7

$[He]\ 2s^2\ 2p^3$



14,007

OXIGÊNIO

8

8

$[He]\ 2s^2\ 2p^4$

15,999

FLÚOR

9

9

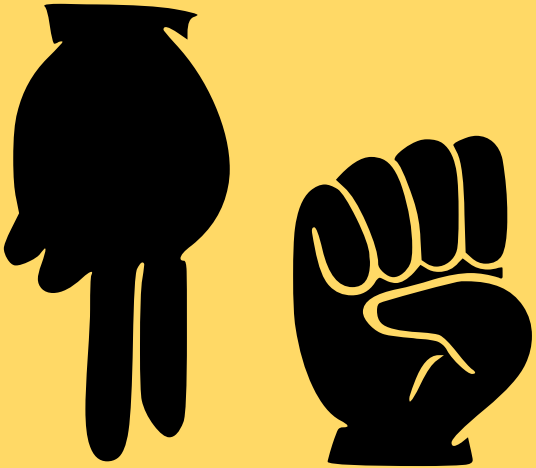
$[He]\ 2s^2\ 2p^5$

18,998

NEÔNIO

10

$[He]\ 2s^2\ 2p^6$



20,180

SÓDIO

11

11

[Ne] $3s^1$

22,990

MAGNÉSIO

12

12

$[Ne]\ 3s^2$

24,305

ALUMÍNIO

13

13

$[Ne]\ 3s^2\ 3p^1$

26,982

SILÍCIO

14

14

$[Ne]\ 3s^2\ 3p^2$

28,085

FÓSFORO

15

15

$[Ne]\ 3s^2\ 3p^3$

30,974

ENXOFRE

16

16

$[Ne]\ 3s^2\ 3p^4$

32,06

CLORO

17

17

$[Ne]\ 3s^2\ 3p^5$

35,45

ARGÔNIO

18

18

$[Ne]\ 3s^2\ 3p^6$

39,948

POTÁSSIO

19

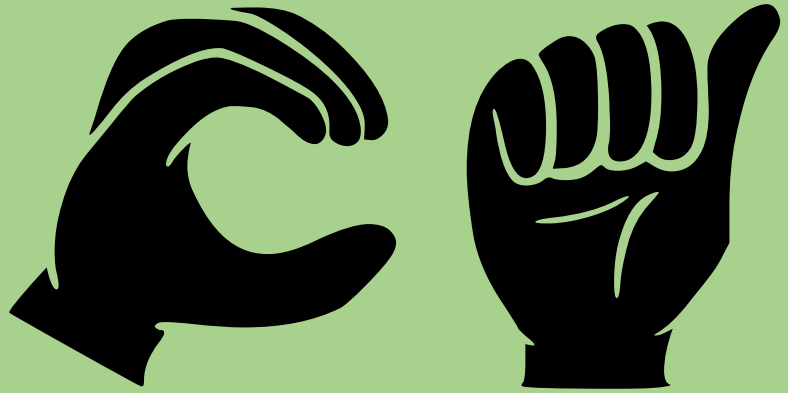
$[Ar]\ 4s^1$

39,098

CÁLCIO

20

$[Ar]\ 4s^2$



40,078

ESCÂNDIO

21

21

$[Ar]\ 3d^1\ 4s^2$

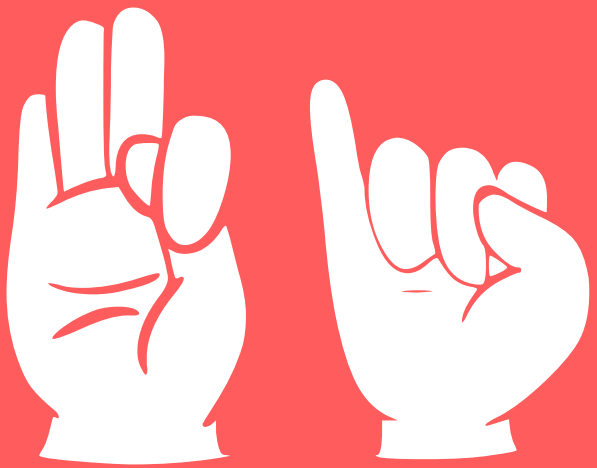
44,956

TITÂNIO

22

22

$[Ar]\ 3d^2\ 4s^2$



47,867

VANÁDIO

23

23

$[Ar]\ 3d^3\ 4s^2$

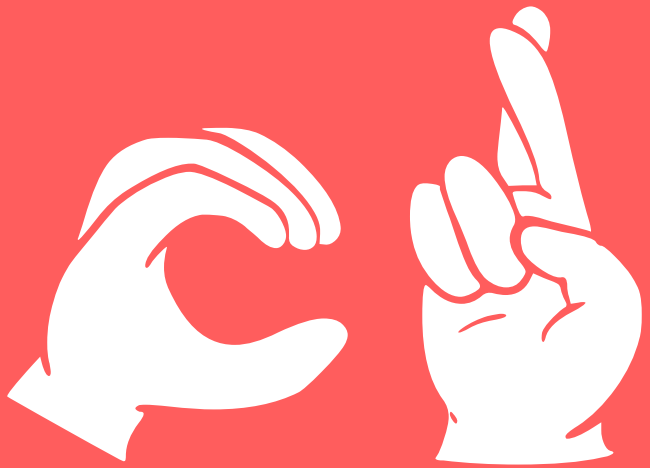
50,942

CROMO

24

24

[Ar] $3d^5\,4s^1$



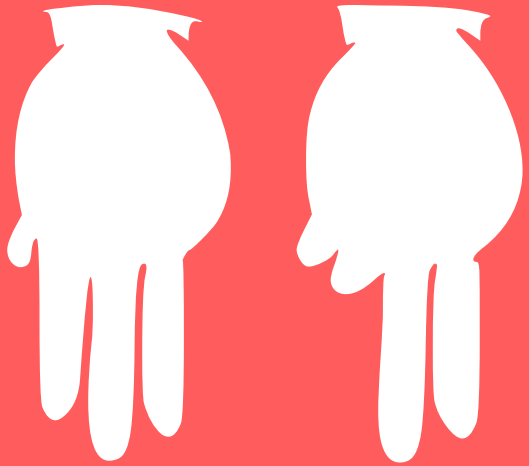
51,996

MANGANÊS

25

25

$[Ar]\ 3d^5\ 4s^2$

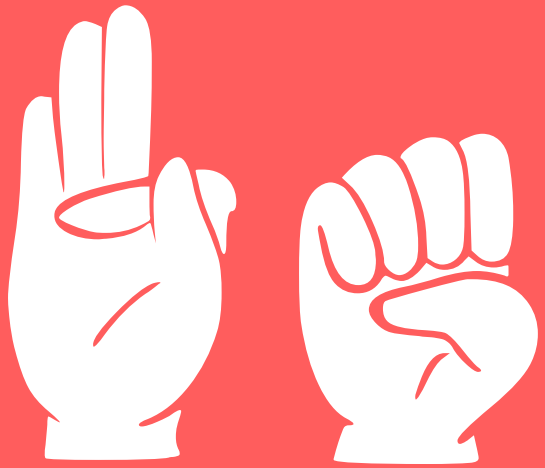


54,938

FERRO

26

$[Ar]\ 3d^6\ 4s^2$



55,845

COBALTO

27

$[Ar]\ 3d^7\ 4s^2$

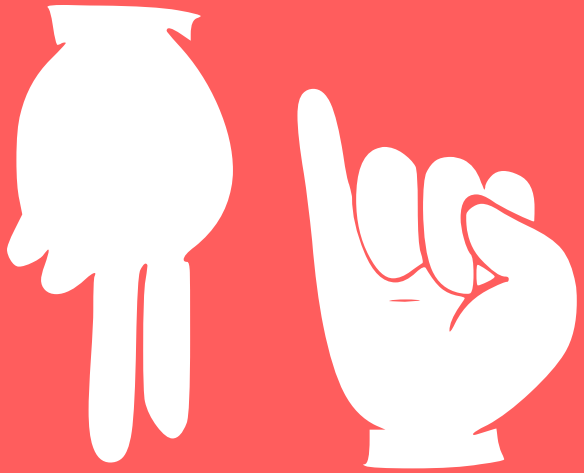
58,933

NÍQUEL

28

28

$[Ar]\ 3d^8\ 4s^2$



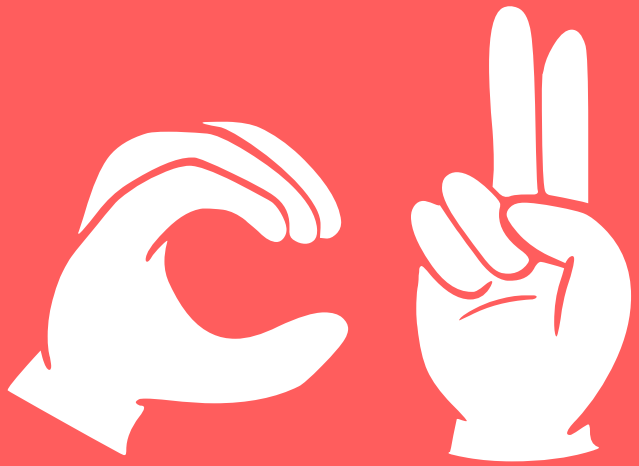
58,693

COBRE

29

29

$[Ar]\ 3d^{10}\ 4s^{1}$



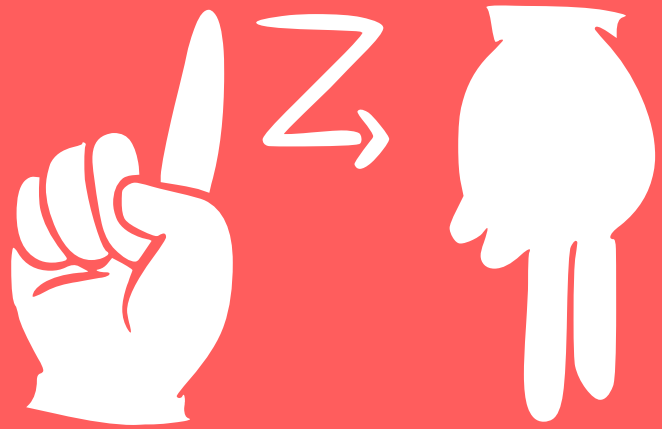
63,546

ZINCO

30

30

$[Ar]\ 3d^{10}\ 4s^{2}$



65,38

GÁLIO

31

$[Ar]\ 3d^{10}\ 4s^2\ 4p^1$

69,723

GERMÂNIO

32

32

$[Ar]\ 3d^{10}\ 4s^2\ 4p^2$

72,630

ARSÊNIO

33

33

$[Ar]\ 3d^{10}\ 4s^2\ 4p^3$

74,922

SELÊNIO

34

34

$[Ar]\ 3d^{10}\ 4s^2\ 4p^4$

78,971

BROMO

35

35

$[Ar]\ 3d^{10}\ 4s^2\ 4p^5$

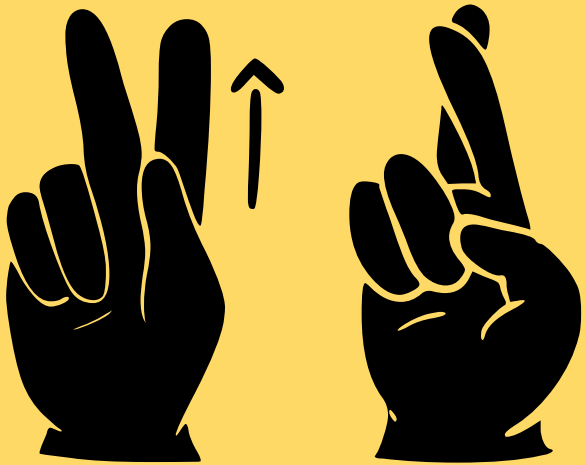
79,904

CRIPTÔNIO

36

36

$[Ar]\ 3d^{10}\ 4s^2\ 4p^6$



83,798

RUBÍDIO

37

37

[Kr] $5s^1$

85,468

ESTRÔNCIO

38

$[Kr]\ 5s^2$

85,468

ÍTRIO

39

$[Kr]\ 4d^1\ 5s^2$

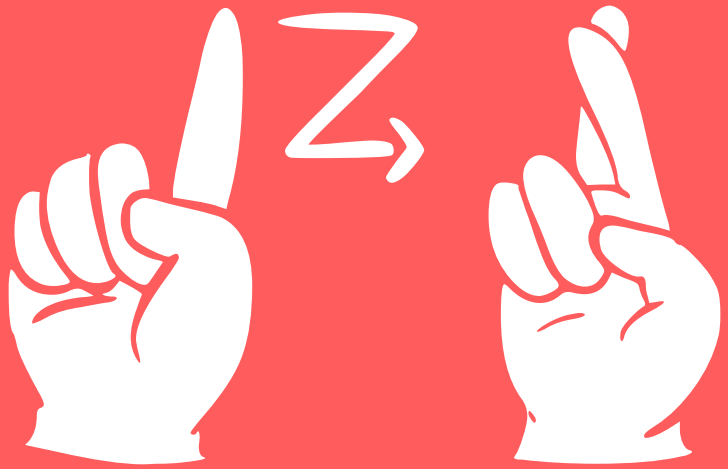
88,906

ZIRCÔNIO

40

40

$[Kr]\ 4d^2\ 5s^2$



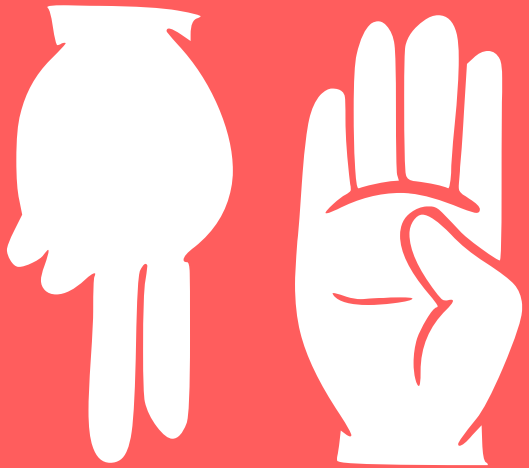
91,224

NIÓBIO

41

41

$[Kr]\ 4d^4\ 5s^1$



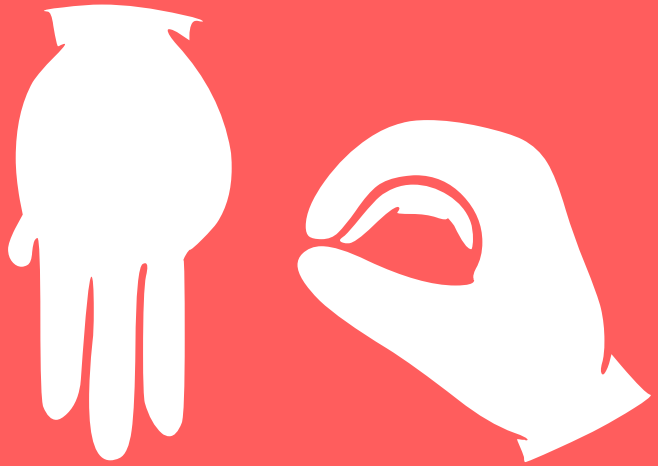
92,906

MOLIBDÊNIO

42

42

$[Kr]\ 4d^5\ 5s^1$

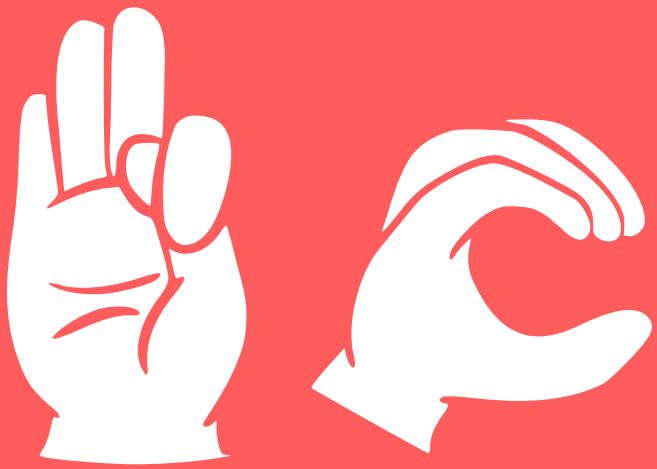


95,95

TECNÉCIO

43

$[Kr]\ 4d^5\ 5s^2$



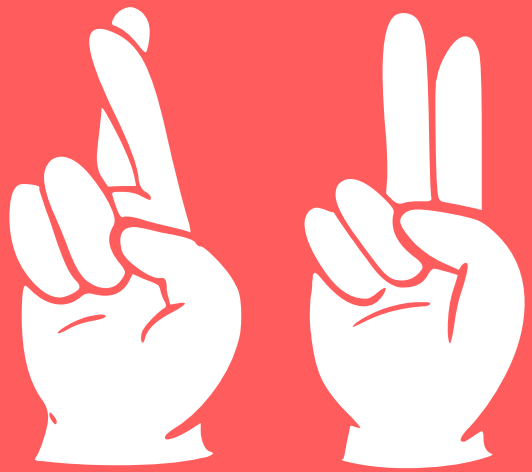
[98]

RUTÊNIO

44

44

$[Kr]\ 4d^7\ 5s^1$

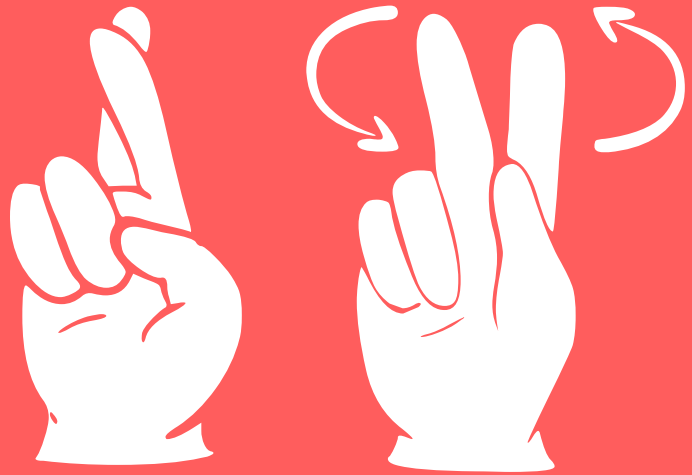


101,07

RÓDIO

45

[Kr] $4d^8\ 5s^1$

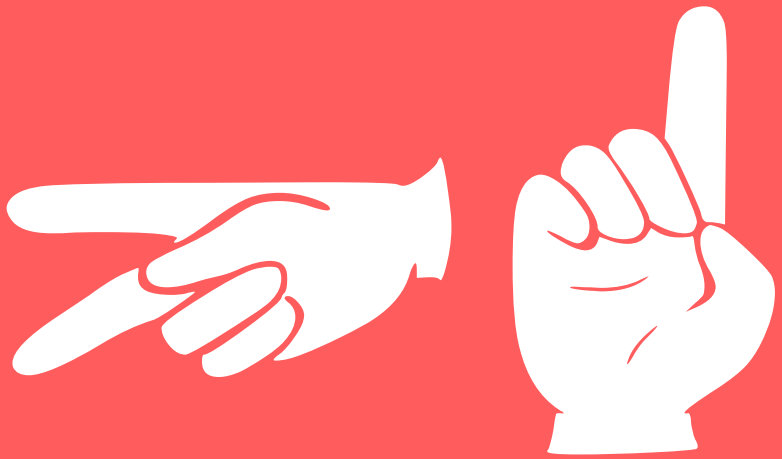


102,906

PALÁDIO

46

[Kr] $4d^{10}$

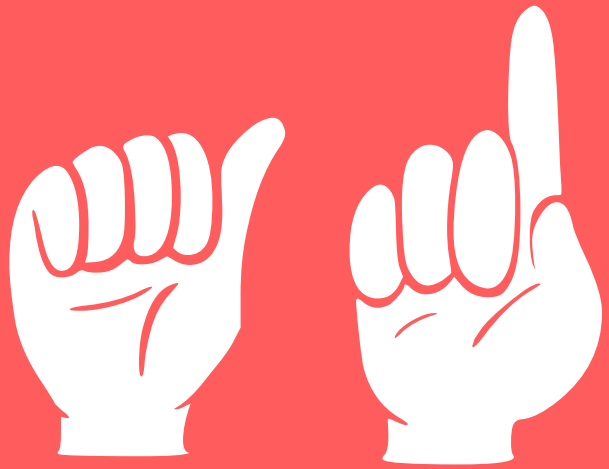


106,42

PRATA

47

$[Kr]\ 4d^{10}\ 5s^{1}$



107,868

CÁDMIO

48

48

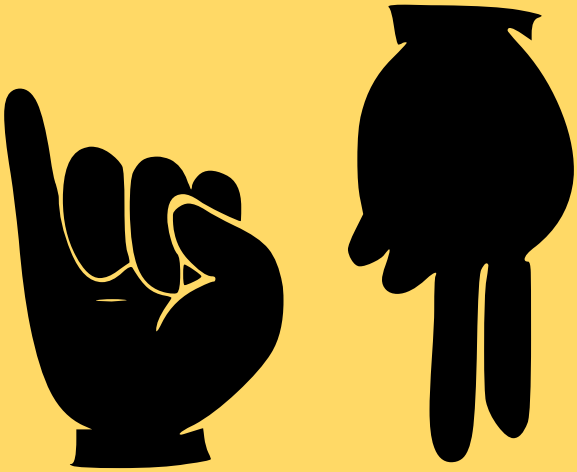
$[Kr]\ 4d^{10}\ 5s^{2}$

112,414

ÍNDIO

49

$[Kr]\ 4d^{10}\ 5s^2\ 5p^1$



114,818

ESTANHO

50

50

$[Kr]\ 4d^{10}\ 5s^2\ 5p^2$

118,710

ANTIMÔNIO

51

51

$[Kr]\ 4d^{10}\ 5s^2\ 5p^3$

121,760

TELÚRIO

52

52

$[Kr]\ 4d^{10}\ 5s^2\ 5p^4$

127,60

IODO

53

53

$[Kr]\ 4d^{10}\ 5s^2\ 5p^5$

126,904

XENÔNIO

54

54

$[Kr]\ 4d^{10}\ 5s^2\ 5p^6$

131,293

CÉSIO

55

55

[Xe] $6s^1$

132,905

BÁRIO

56

$[Xe]\ 6s^2$

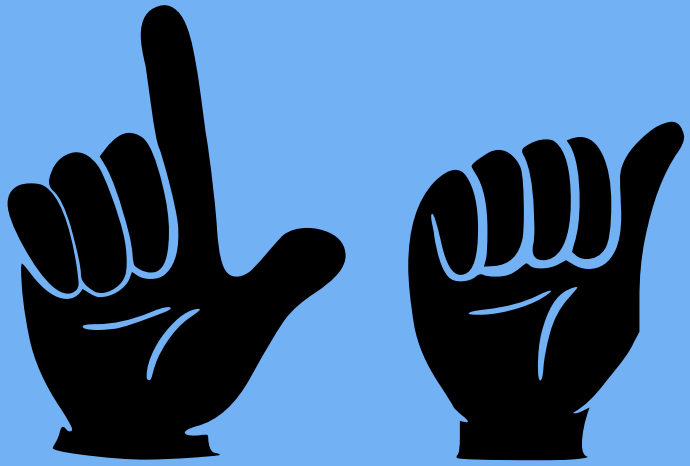
137,327

LANTÂNIO

57

57

$[Xe]\ 5d^1\ 6s^2$



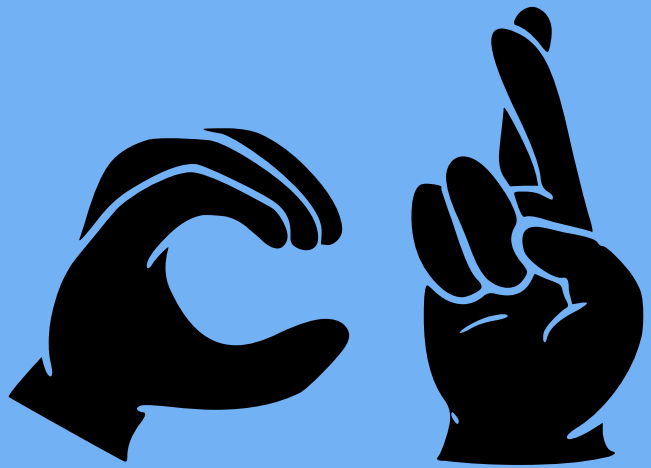
138,905

CÉRIO

58

58

$[Xe]\ 4f^1\ 5d^1\ 6s^2$



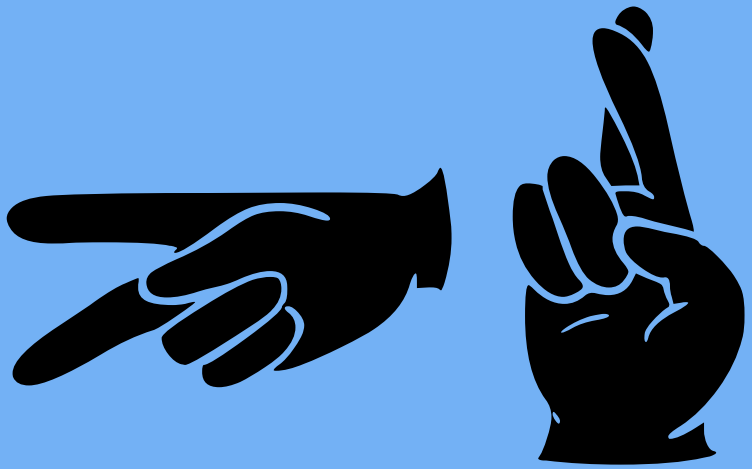
140,116

PRASEODÍMIO

59

59

$[Xe]\ 4f^3\ 6s^2$



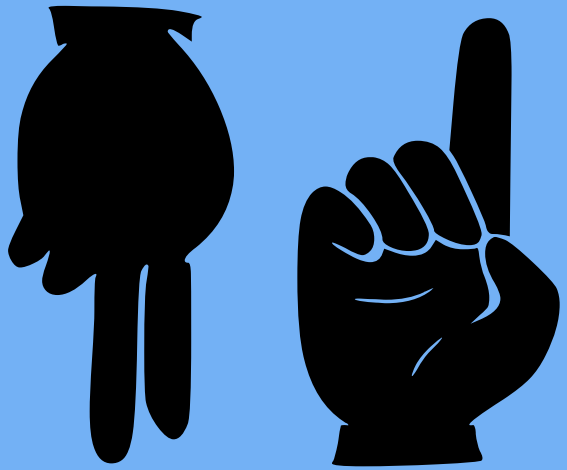
140, 908

NEODÍMIO

60

60

$[Xe]\ 4f^4\ 6s^2$



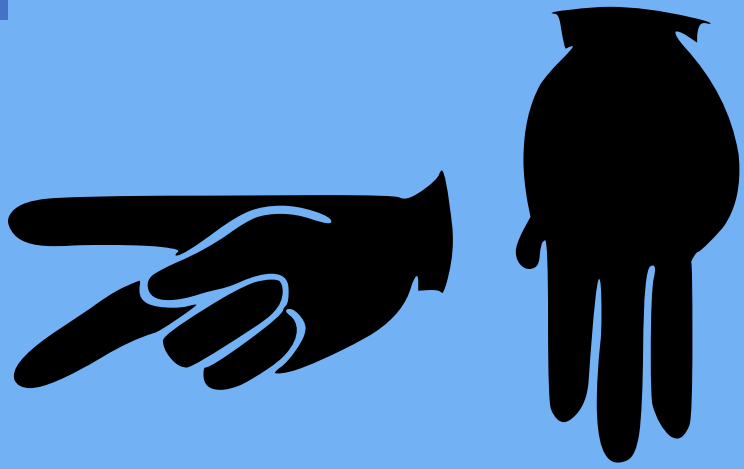
144, 242

PROMÉCIO

61

61

$[Xe]\ 4f^5\ 6s^2$

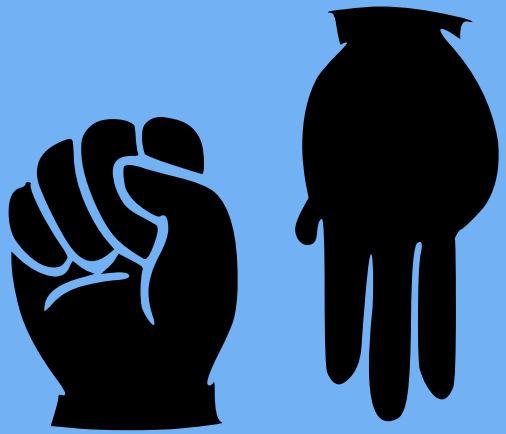


[145]

SAMÁRIO

62

$[Xe]\ 4f^6\ 6s^2$



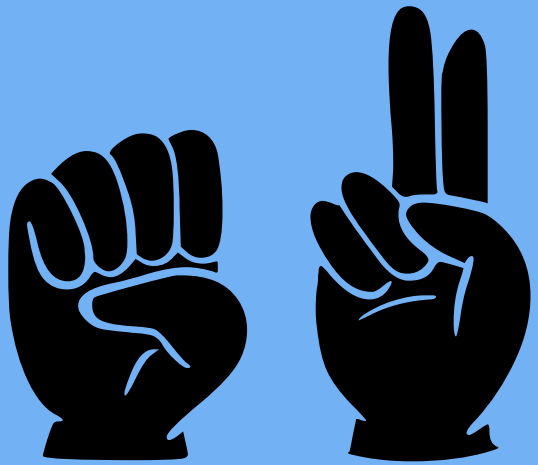
150,36

EURÓPIO

63

63

$[Xe]\ 4f^7\ 6s^2$



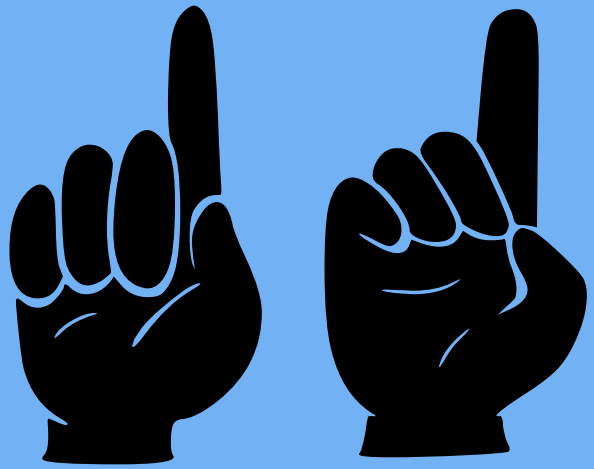
151,964

GADOLÍNIO

64

64

$[Xe]\ 4f^7\ 5d^1\ 6s^2$



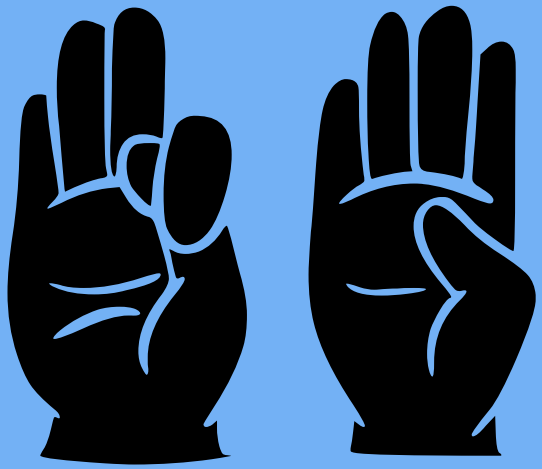
157,25

TÉRBIO

65

65

$[Xe]\ 4f^9\ 6s^2$



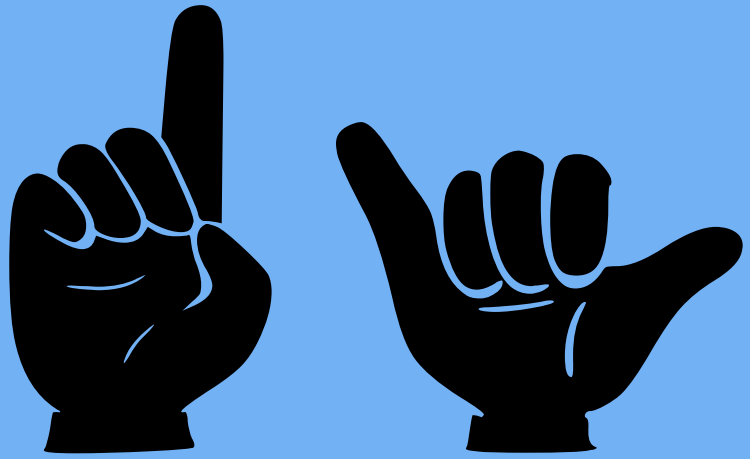
158,925

DISPRÓSIO

66

66

$[Xe]\ 4f^{10}\ 6s^{2}$



162,500

HÔLMIO

67

67

$[Xe]\ 4f^{11}\ 6s^{2}$

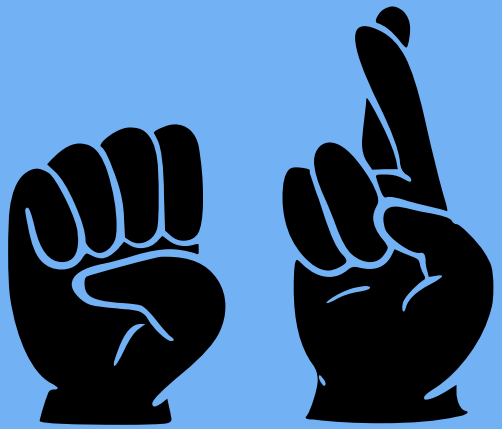
164,930

ÉRBIO

68

68

$[Xe]\ 4f^{12}\ 6s^{2}$



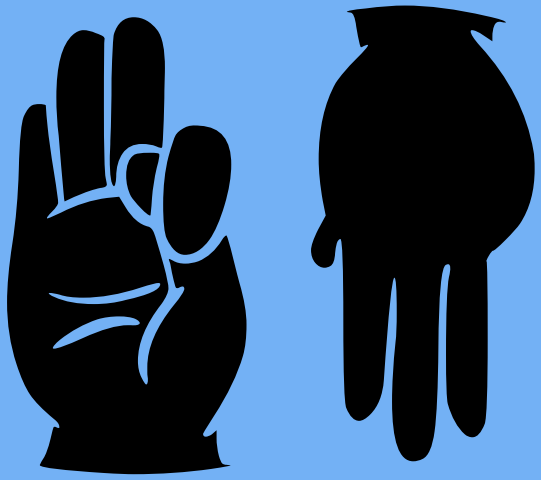
167,259

TÚLIO

69

69

$[Xe]\ 4f^{13}\ 6s^{2}$

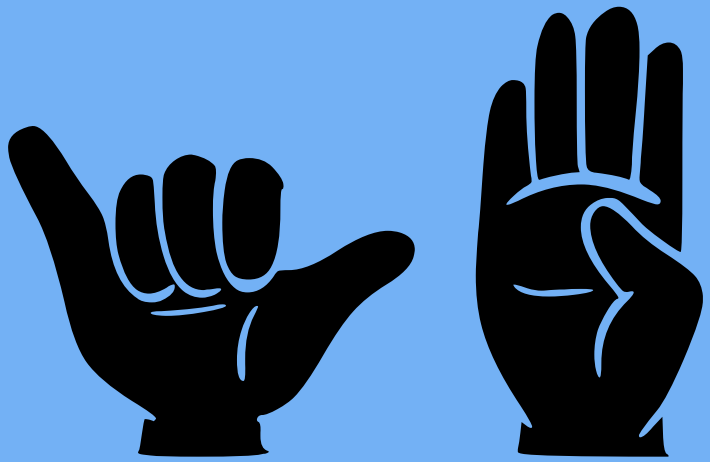


168,934

ITÉRBIO

70

$[Xe]\ 4f^{14}\ 6s^{2}$



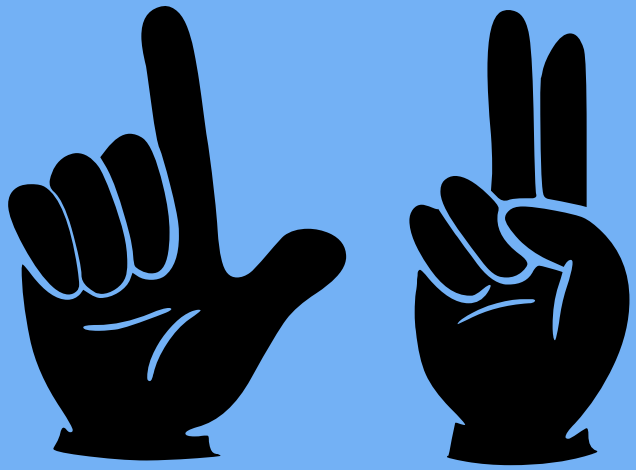
173,045

LUTÉCIO

71

71

$[Xe]\ 4f^{14}\ 5d^{1}\ 6s^{2}$



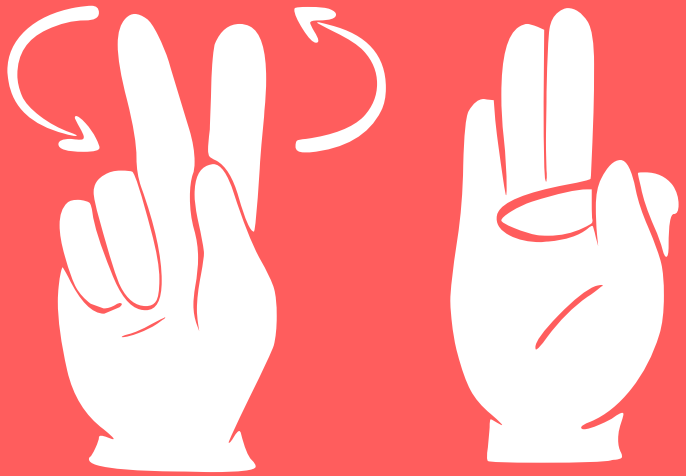
174,967

HÁFNIO

72

72

$[Xe]\ 4f^{14}\ 5d^2\ 6s^2$



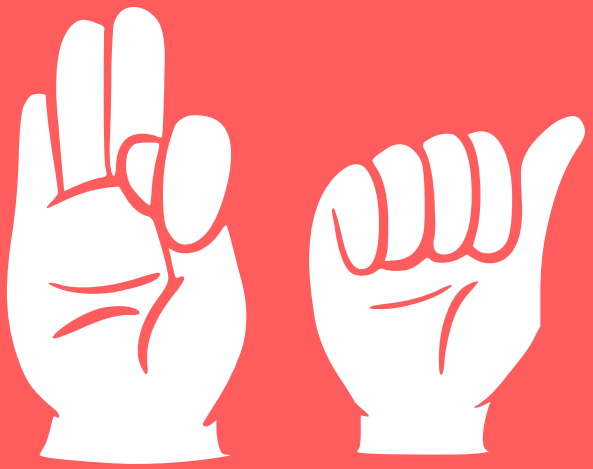
178,486

TÂNTALO

73

73

$[Xe]\ 4f^{14}\ 5d^3\ 6s^2$



180,948

TUNGSTÊNIO

74

74

$[Xe]\ 4f^{14}\ 5d^4\ 6s^2$

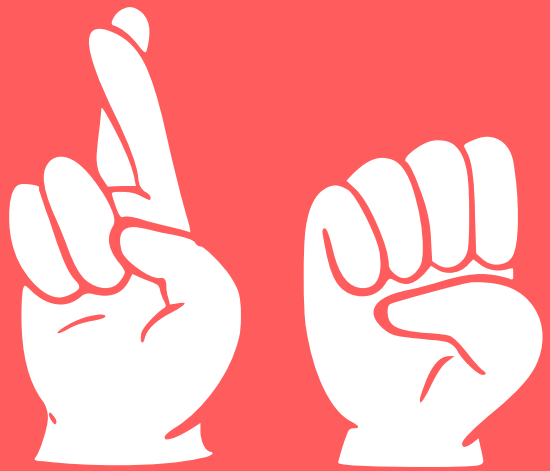
183,84

RÊNIO

75

75

$[Xe]\ 4f^{14}\ 5d^5\ 6s^2$



186,207

ÓSMIO

76

76

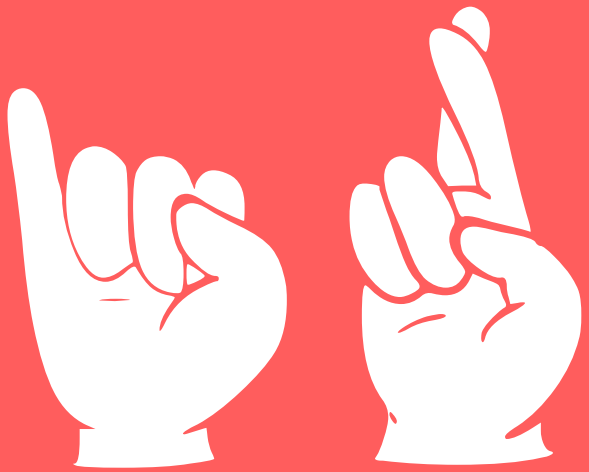
$[Xe]\ 4f^{14}\ 5d^6\ 6s^2$

190,23

IRÍDIO

77

$[Xe]\ 4f^{14}\ 5d^{7}\ 6s^{2}$



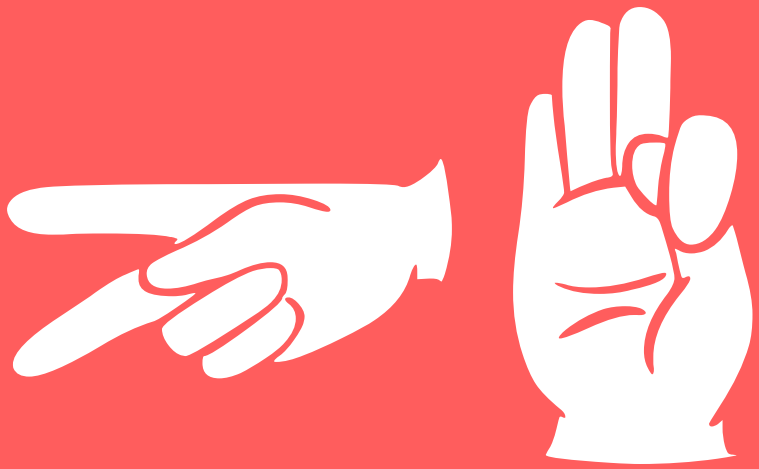
192,217

PLATINA

78

78

$[Xe]\ 4f^{14}\ 5d^{9}\ 6s^{1}$

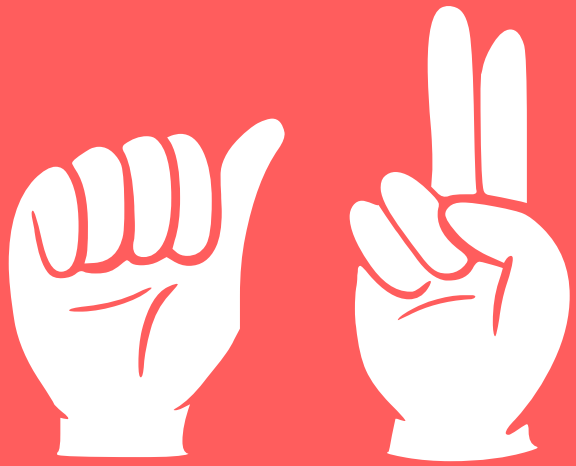


195,084

OURO

79

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^{1}$



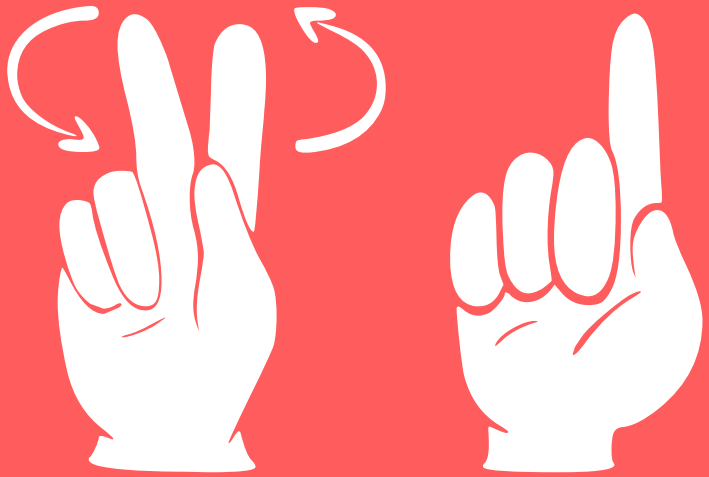
196,967

MERCÚRIO

80

80

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^{2}$



200,592

TÁLIO

81

81

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^{2}\ 6p^{1}$

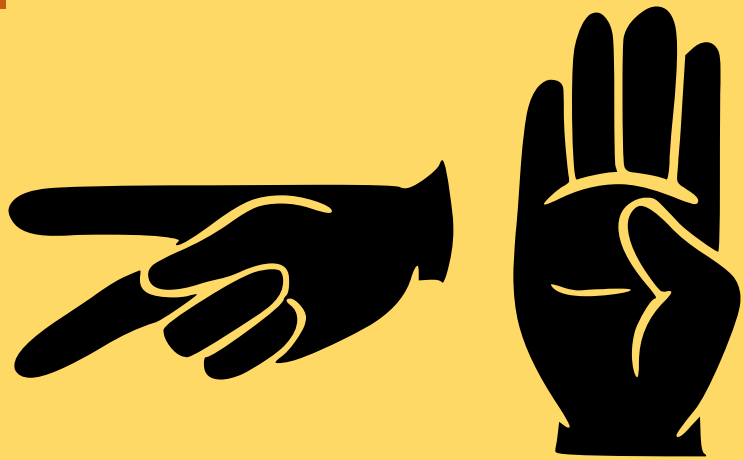
204,38

CHUMBO

82

82

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^2\ 6p^2$



207,2

BISMUTO

83

83

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^2\ 6p^3$

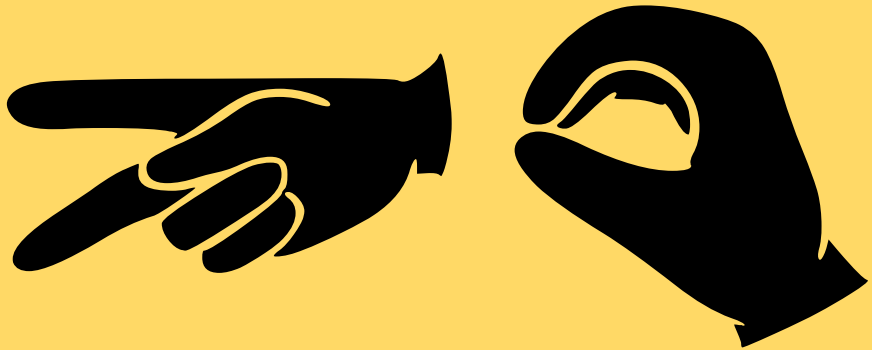
208,980

POLÔNIO

84

84

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^2\ 6p^4$



[209]

ASTATO

85

85

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^2\ 6p^5$

[210]

RADÔNIO

86

86

$[Xe]\ 4f^{14}\ 5d^{10}\ 6s^2\ 6p^6$

[222]

FRÂNCIO

87

$[Rn]\ 7s^1$

[223]

RÁDIO

88

$[Rn]\ 7s^2$

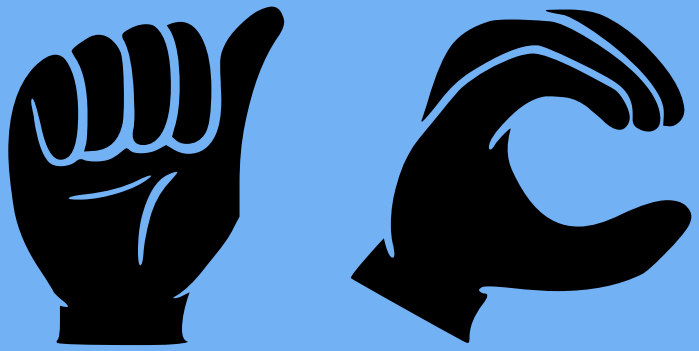
[226]

ACTÍNIO

89

89

$[Rn]\ 6d^1\ 7s^2$



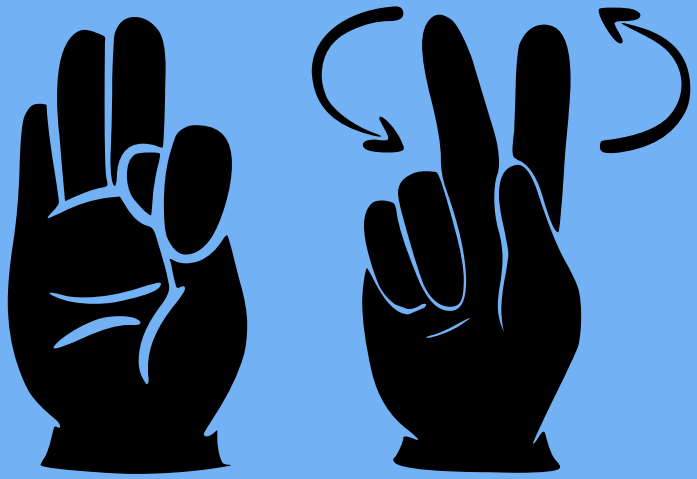
[227]

TÓRIO

90

90

[Rn] $6d^2\ 7s^2$



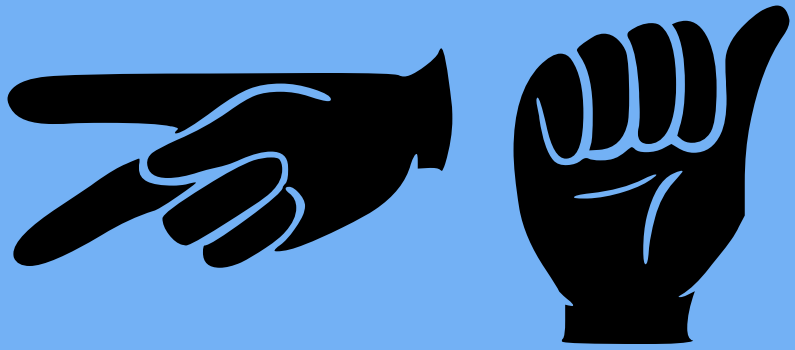
232,038

PROTACTÍNIO

91

91

$[Rn]\ 5f^2\ 6d^1\ 7s^2$



231,036

URÂNIO

92

92

$[Rn]\ 5f^3\ 6d^1\ 7s^2$

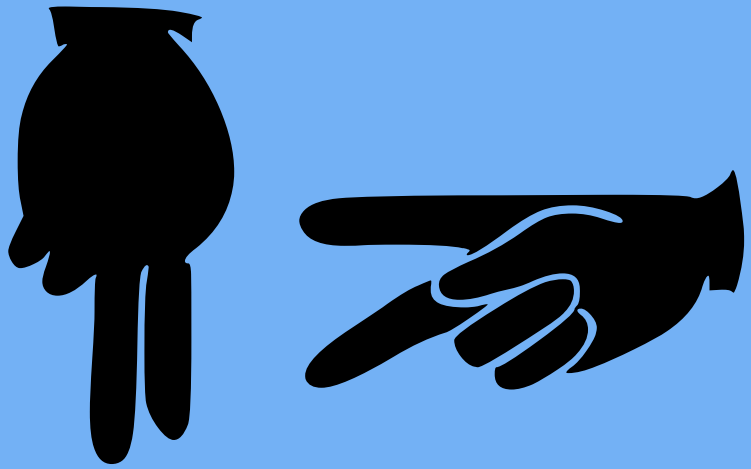
238,029

NEPTÚNIO

93

93

$[Rn]\ 5f^4\ 6d^1\ 7s^2$



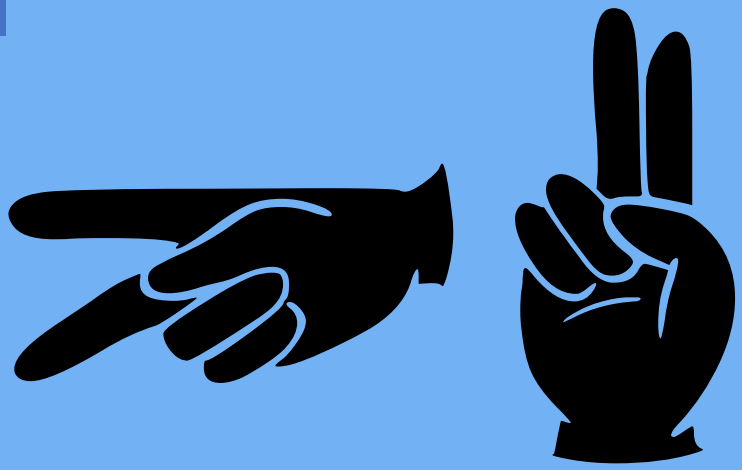
[237]

PLUTÔNIO

94

94

$[Rn]\ 5f^6\ 7s^2$



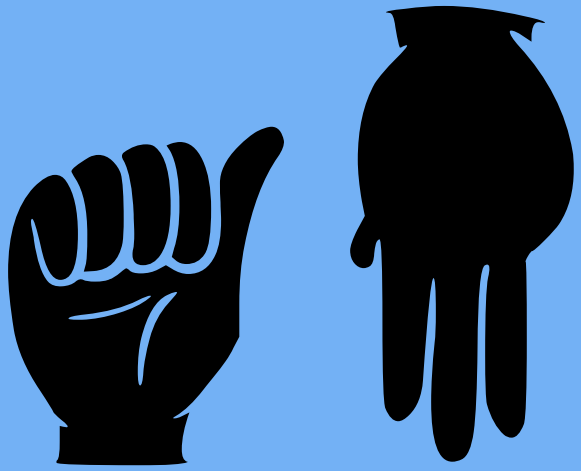
[244]

AMERÍCIO

95

95

$[Rn]\ 5f^7\ 7s^2$



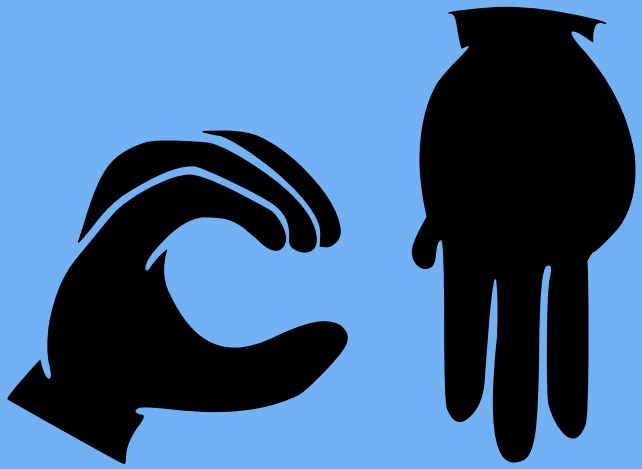
[243]

CÚRIO

96

96

$[Rn]\ 5f^7\ 6d^1\ 7s^2$



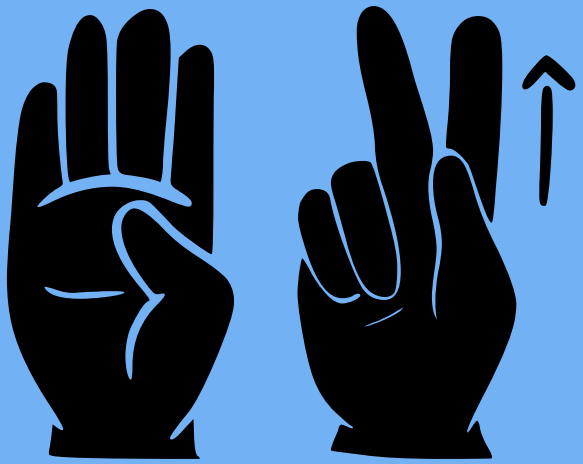
[247]

BERQUÉLIO

97

97

$[Rn]\ 5f^{9}\ 7s^{2}$



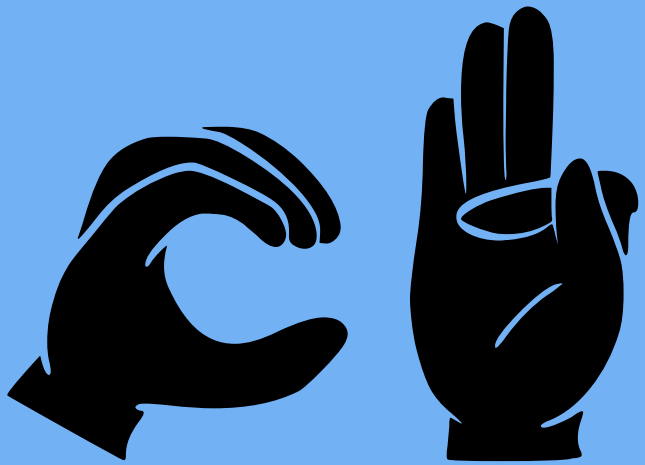
[247]

CALIFÓRNIO

98

98

$[Rn]\ 5f^{10}\ 7s^{2}$



[251]

EINSTÊNIO

99

99

$[Rn]\ 5f^{11}\ 7s^{2}$

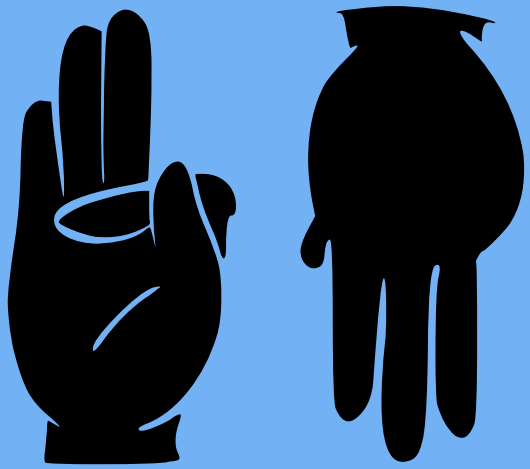
[252]

FÉRMIO

100

100

$[Rn]\ 5f^{12}\ 7s^{2}$



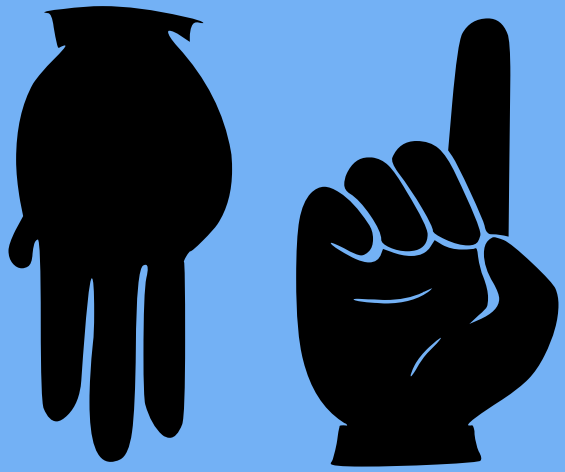
[257]

MENDELÉVIO

101

101

$[Rn]\ 5f^{13}\ 7s^{2}$



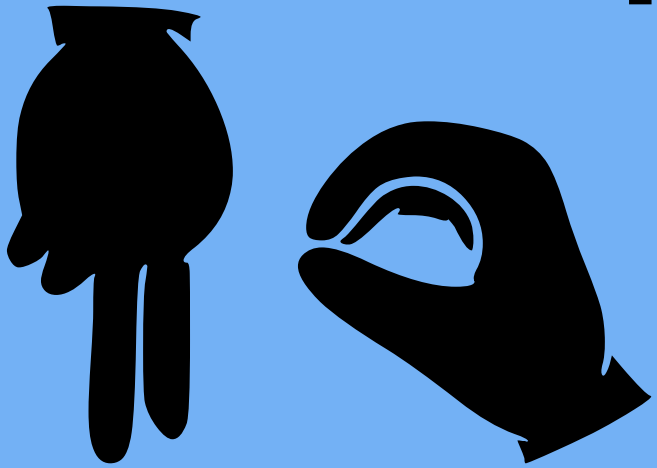
[258]

NOBÉLIO

102

102

$[Rn]\ 5f^{14}\ 7s^{2}$



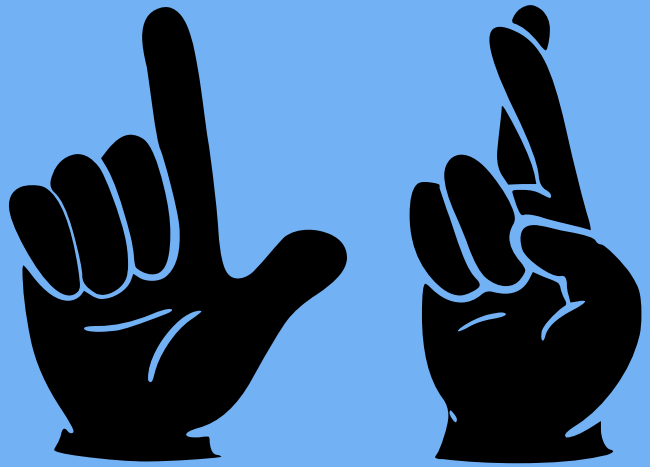
[259]

LAURÊNCIO

103

103

$[Rn]\ 5f^{14}\ 7s^2\ 7p^1$



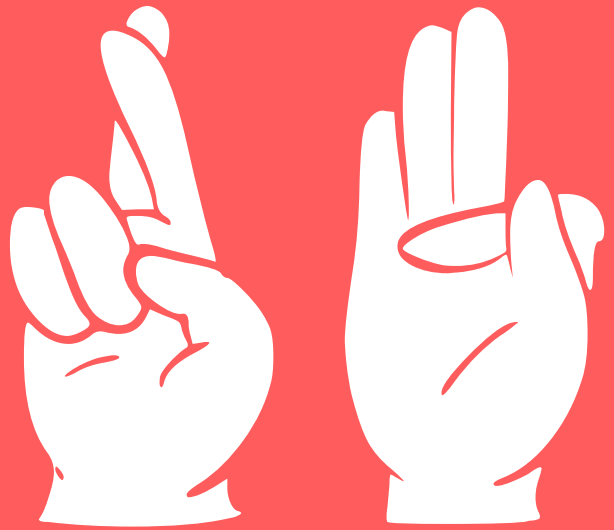
[262]

RUTHERFÓRDIO

104

104

$[Rn]\ 5f^{14}\ 6d^2\ 7s^2$



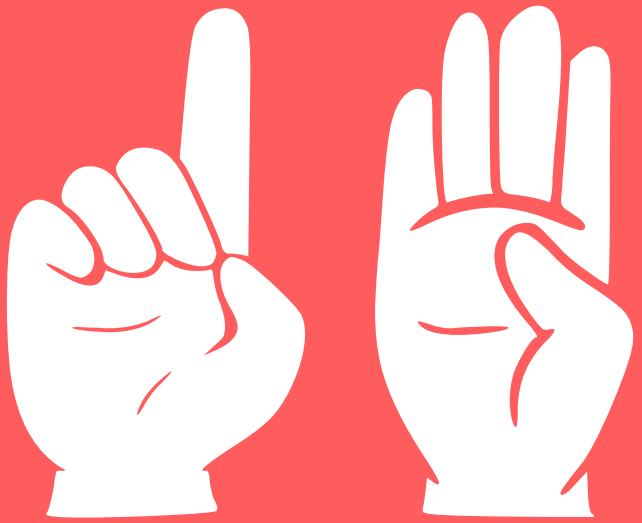
[267]

DÚBNIO

105

105

$[Rn]\ 5f^{14}\ 6d^{3}\ 7s^{2}$

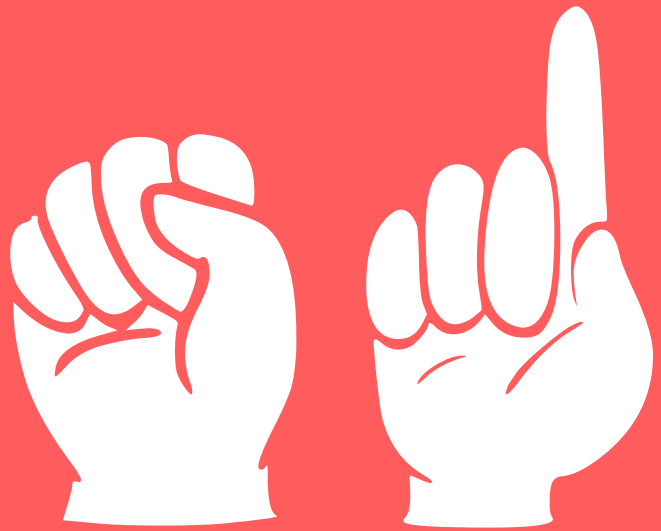


[268]

SEABÓRGIO

106

$[Rn]\ 5f^{14}\ 6d^{4}\ 7s^{2}$

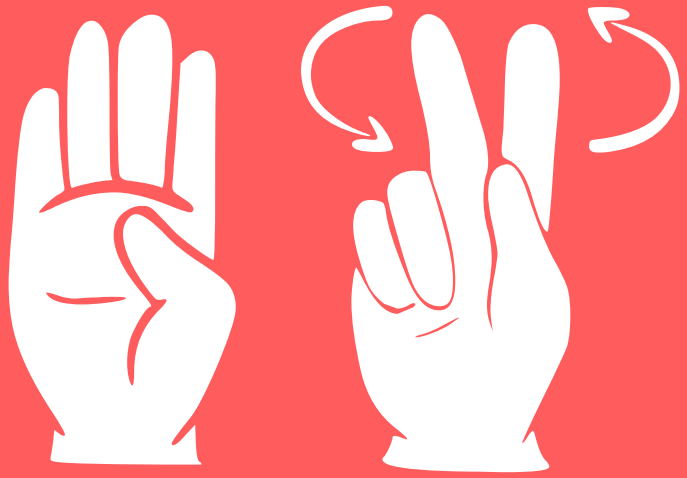


[269]

BÓHRIO

107

$[Rn]\ 5f^{14}\ 6d^{5}\ 7s^{2}$

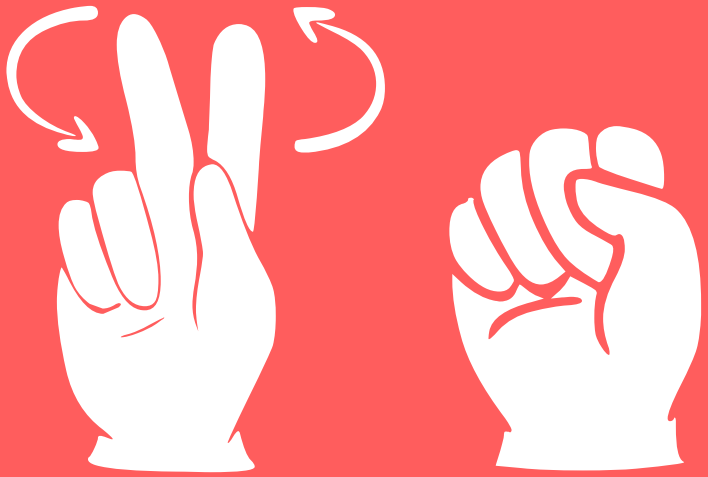


[270]

HÁSSIO

108

$[Rn]\ 5f^{14}\ 6d^{6}\ 7s^{2}$

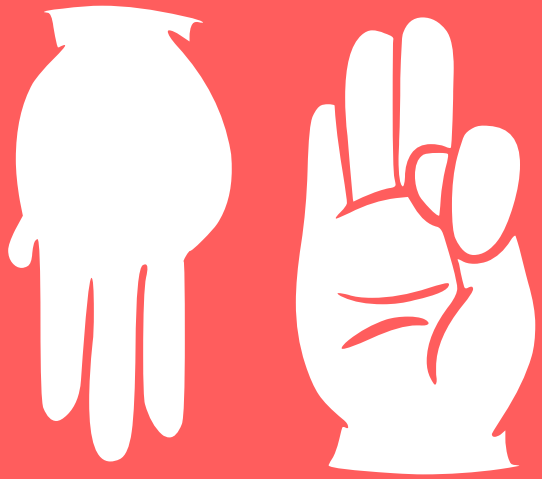


[269]

MEITNÉRIO

109

$[Rn]\ 5f^{14}\ 6d^{7}\ 7s^{2}$



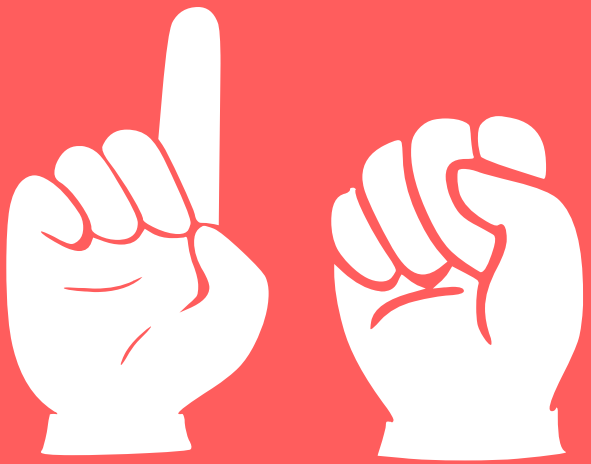
[278]

DARMSTÁDTIO

110

110

$[Rn]\ 5f^{14}\ 6d^{9}\ 7s^{1}$



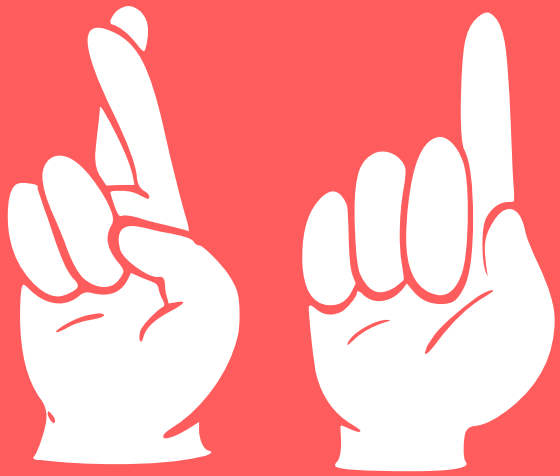
[281]

ROENTGÊNIO

111

111

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^{1}$



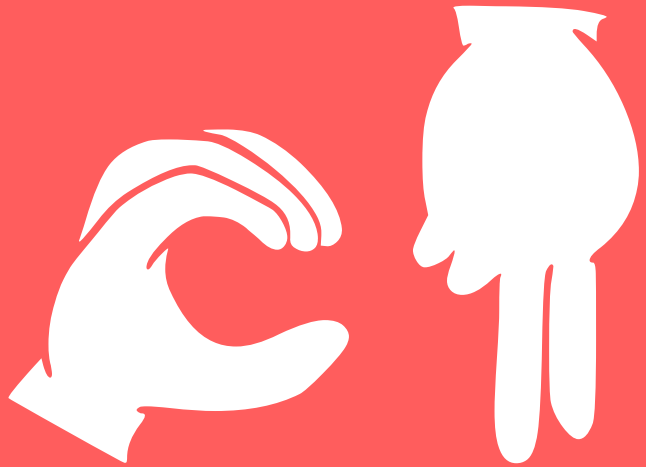
[280]

COPERNÍCIO

112

112

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^{2}$



[285]

NIHÔNIO

113

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^2\ 7p^1$

[286]

FLERÓVIO

114

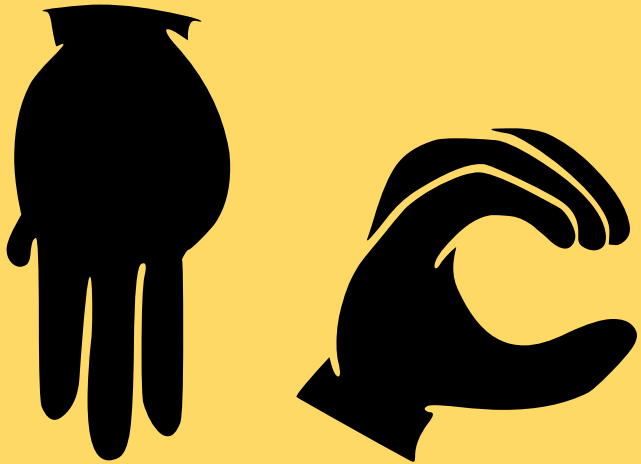
$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^2\ 7p^2$

[289]

MOSCÓVIO

115

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^2\ 7p^3$



[289]

LIVERMÓRIO

116

116

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^2\ 7p^4$

[293]

TENESSO

117

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^2\ 7p^5$

[294]

OGANESSÔNIO

118

118

$[Rn]\ 5f^{14}\ 6d^{10}\ 7s^{2}\ 7p^{6}$

[294]

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