Configurazioni elettroniche degli elementi

ChemTable chemtable.org

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	**1** H Idrogeno $1s^1$																	**2** He Elio $1s^2$
2	**3** Li Litio [He] $2s^1$	**4** Be Berillio [He] $2s^2$											**5** B Boro [He] $2s^2\ 2p^1$	**6** C Carbonio [He] $2s^2\ 2p^2$	**7** N Azoto [He] $2s^2\ 2p^3$	**8** O Ossigeno [He] $2s^2\ 2p^4$	**9** F Fluoro [He] $2s^2\ 2p^5$	**10** Ne Neon [He] $2s^2\ 2p^6$
3	**11** Na Sodio [Ne] $3s^1$	**12** Mg Magnesio [Ne] $3s^2$											**13** Al Alluminio [Ne] $3s^2\ 3p^1$	**14** Si Silicio [Ne] $3s^2\ 3p^2$	**15** P Fosforo [Ne] $3s^2\ 3p^3$	**16** S Zolfo [Ne] $3s^2\ 3p^4$	**17** Cl Cloro [Ne] $3s^2\ 3p^5$	**18** Ar Argon [Ne] $3s^2\ 3p^6$
4	**19** K Potassio [Ar] $4s^1$	**20** Ca Calcio [Ar] $4s^2$	**21** Sc Scandio [Ar] $3d^1\ 4s^2$	**22** Ti Titanio [Ar] $3d^2\ 4s^2$	**23** V Vanadio [Ar] $3d^3\ 4s^2$	**24** Cr Cromo [Ar] $3d^5\ 4s^1$	**25** Mn Manganese [Ar] $3d^5\ 4s^2$	**26** Fe Ferro [Ar] $3d^6\ 4s^2$	**27** Co Cobalto [Ar] $3d^7\ 4s^2$	**28** Ni Nichel [Ar] $3d^8\ 4s^2$	**29** Cu Rame [Ar] $3d^{10}\ 4s^1$	**30** Zn Zinco [Ar] $3d^{10}\ 4s^2$	**31** Ga Gallio [Ar] $3d^{10}\ 4s^2\ 4p^1$	**32** Ge Germanio [Ar] $3d^{10}\ 4s^2\ 4p^2$	**33** As Arsenico [Ar] $3d^{10}\ 4s^2\ 4p^3$	**34** Se Selenio [Ar] $3d^{10}\ 4s^2\ 4p^4$	**35** Br Bromo [Ar] $3d^{10}\ 4s^2\ 4p^5$	**36** Kr Kripton [Ar] $3d^{10}\ 4s^2\ 4p^6$
5	**37** Rb Rubidio [Kr] $5s^1$	**38** Sr Stronzio [Kr] $5s^2$	**39** Y Ittrio [Kr] $4d^1\ 5s^2$	**40** Zr Zirconio [Kr] $4d^2\ 5s^2$	**41** Nb Niobio [Kr] $4d^4\ 5s^1$	**42** Mo Molibdeno [Kr] $4d^5\ 5s^1$	**43** Tc Tecnezio [Kr] $4d^5\ 5s^2$	**44** Ru Rutenio [Kr] $4d^7\ 5s^1$	**45** Rh Rodio [Kr] $4d^8\ 5s^1$	**46** Pd Palladio [Kr] $4d^{10}$	**47** Ag Argento [Kr] $4d^{10}\ 5s^1$	**48** Cd Cadmio [Kr] $4d^{10}\ 5s^2$	**49** In Indio [Kr] $4d^{10}\ 5s^2\ 5p^1$	**50** Sn Stagno [Kr] $4d^{10}\ 5s^2\ 5p^2$	**51** Sb Antimonio [Kr] $4d^{10}\ 5s^2\ 5p^3$	**52** Te Tellurio [Kr] $4d^{10}\ 5s^2\ 5p^4$	**53** I Iodio [Kr] $4d^{10}\ 5s^2\ 5p^5$	**54** Xe Xeno [Kr] $4d^{10}\ 5s^2\ 5p^6$
6	**55** Cs Cesio [Xe] $6s^1$	**56** Ba Bario [Xe] $6s^2$	57–71	**72** Hf Afnio [Xe] $4f^{14}\ 5d^2\ 6s^2$	**73** Ta Tantalio [Xe] $4f^{14}\ 5d^3\ 6s^2$	**74** W Tungsteno [Xe] $4f^{14}\ 5d^4\ 6s^2$	**75** Re Renio [Xe] $4f^{14}\ 5d^5\ 6s^2$	**76** Os Osmio [Xe] $4f^{14}\ 5d^6\ 6s^2$	**77** Ir Iridio [Xe] $4f^{14}\ 5d^7\ 6s^2$	**78** Pt Platino [Xe] $4f^{14}\ 5d^9\ 6s^1$	**79** Au Oro [Xe] $4f^{14}\ 5d^{10}\ 6s^1$	**80** Hg Mercurio [Xe] $4f^{14}\ 5d^{10}\ 6s^2$	**81** Tl Tallio [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^1$	**82** Pb Piombo [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^2$	**83** Bi Bismuto [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^3$	**84** Po Polonio [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^4$	**85** At Astato [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^5$	**86** Rn Radon [Xe] $4f^{14}\ 5d^{10}\ 6s^2\ 6p^6$
7	**87** Fr Francio [Rn] $7s^1$	**88** Ra Radio [Rn] $7s^2$	89–103	**104** Rf Rutherfordio [Rn] $5f^{14}\ 6d^2\ 7s^2$	**105** Db Dubnio [Rn] $5f^{14}\ 6d^3\ 7s^2$	**106** Sg Seaborgio [Rn] $5f^{14}\ 6d^4\ 7s^2$	**107** Bh Bohrio [Rn] $5f^{14}\ 6d^5\ 7s^2$	**108** Hs Hassio [Rn] $5f^{14}\ 6d^6\ 7s^2$	**109** Mt Meitnerio [Rn] $5f^{14}\ 6d^7\ 7s^2$	**110** Ds Darmstadtio [Rn] $5f^{14}\ 6d^8\ 7s^2$	**111** Rg Roentgenio [Rn] $5f^{14}\ 6d^9\ 7s^2$	**112** Cn Copernicio [Rn] $5f^{14}\ 6d^{10}\ 7s^2$	**113** Nh Nihonio [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^1$	**114** Fl Flerovio [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^2$	**115** Mc Moscovio [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^3$	**116** Lv Livermorio [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^4$	**117** Ts Tennesso [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^5$	**118** Og Oganesson [Rn] $5f^{14}\ 6d^{10}\ 7s^2\ 7p^6$

57 La Lantanio [Xe] $5d^1\ 6s^2$	**58** Ce Cerio [Xe] $4f^1\ 5d^1\ 6s^2$	**59** Pr Praseodimio [Xe] $4f^3\ 6s^2$	**60** Nd Neodimio [Xe] $4f^4\ 6s^2$	**61** Pm Promezio [Xe] $4f^5\ 6s^2$	**62** Sm Samario [Xe] $4f^6\ 6s^2$	**63** Eu Europio [Xe] $4f^7\ 6s^2$	**64** Gd Gadolinio [Xe] $4f^7\ 5d^1\ 6s^2$	**65** Tb Terbio [Xe] $4f^9\ 6s^2$	**66** Dy Disprosio [Xe] $4f^{10}\ 6s^2$	**67** Ho Olmio [Xe] $4f^{11}\ 6s^2$	**68** Er Erbio [Xe] $4f^{12}\ 6s^2$	**69** Tm Tulio [Xe] $4f^{13}\ 6s^2$	**70** Yb Itterbio [Xe] $4f^{14}\ 6s^2$	**71** Lu Lutezio [Xe] $4f^{14}\ 5d^1\ 6s^2$
89 Ac Attinio [Rn] $6d^1\ 7s^2$	**90** Th Torio [Rn] $6d^2\ 7s^2$	**91** Pa Protoattinio [Rn] $5f^2\ 6d^1\ 7s^2$	**92** U Uranio [Rn] $5f^3\ 6d^1\ 7s^2$	**93** Np Nettunio [Rn] $5f^4\ 6d^1\ 7s^2$	**94** Pu Plutonio [Rn] $5f^6\ 7s^2$	**95** Am Americio [Rn] $5f^7\ 7s^2$	**96** Cm Curio [Rn] $5f^7\ 6d^1\ 7s^2$	**97** Bk Berkelio [Rn] $5f^9\ 7s^2$	**98** Cf Californio [Rn] $5f^{10}\ 7s^2$	**99** Es Einsteinio [Rn] $5f^{11}\ 7s^2$	**100** Fm Fermio [Rn] $5f^{12}\ 7s^2$	**101** Md Mendelevio [Rn] $5f^{13}\ 7s^2$	**102** No Nobelio [Rn] $5f^{14}\ 7s^2$	**103** Lr Laurenzio [Rn] $5f^{14}\ 7s^2\ 7p^1$

26
Fe
Ferro
[Ar] $3d^6\ 4s^2$

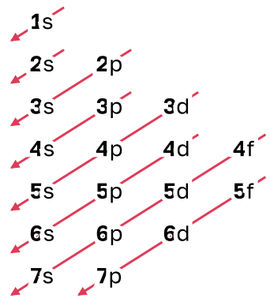
Numero atomico

Simbolo

Nome

Configurazione elettronica

Ordine di riempimento dei sottolivelli



- blocco s
- blocco p
- blocco d
- blocco f

Come gli elettroni sono distribuiti nei sottolivelli. La parentesi quadra indica il gas nobile precedente, l'esponente il numero di elettroni nel sottolivello.

* previsto

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