|  |  |  |  |
| --- | --- | --- | --- |
| 1 |  |  | 18 |
| 1**H**1.0079 | 2 |  | 13 | 14 | 15 | 16 | 17 | 2**He**4.0026 |
| 3**Li**6.941 | 4**Be**9.0122 |  | 5**B**10.811 | 6**C**12.011 | 7**N**14.007 | 8**O**15.999 | 9**F**18.998 | 10**Ne**20.180 |
| 11**Na**22.990 | 12**Mg**24.305 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13**Al**26.982 | 14**Si**28.086 | 15**P**30.974 | 16**S**32.065 | 17**Cl**35.453 | 18**Ar**39.948 |
| 19**K**39.098 | 20**Ca**40.078 | 21**Sc**44.956 | 22**Ti**47.867 | 23**V**50.942 | 24**Cr**51.996 | 25**Mn**54.938 | 26**Fe**55.845 | 27**Co**58.933 | 28**Ni**58.693 | 29**Cu**63.546 | 30**Zn**65.38 | 31**Ga**69.723 | 32**Ge**72.64 | 33**As**74.922 | 34**Se**78.96 | 35**Br**79.904 | 36**Kr**83.798 |
| 37**Rb**85.468 | 38**Sr**87.62 | 39**Y**88.906 | 40**Zr**91.224 | 41**Nb**92.906 | 42**Mo**95.96 | 43**Tc**- | 44**Ru**101.07 | 45**Rh**102.91 | 46**Pd**106.42 | 47**Ag**107.87 | 48**Cd**112.41 | 49**In**114.82 | 50**Sn**118.71 | 51**Sb**121.76 | 52**Te**127.60 | 53**I**126.90 | 54**Xe**131.29 |
| 55**Cs**132.91 | 56**Ba**137.33 | 57-71 | 72**Hf**178.49 | 73**Ta**180.95 | 74**W**183.84 | 75**Re**186.21 | 76**Os**190.23 | 77**Ir**192.22 | 78**Pt**195.08 | 79**Au**196.97 | 80**Hg**200.59 | 81**Tl**204.38 | 82**Pb**207.2 | 83**Bi**208.98 | 84**Po**- | 85**At**- | 86**Rn**- |
| 87**Fr**- | 88**Ra**- | 89-103 | 104**Rf**- | 105**Db**- | 106**Sg**- | 107**Bh**- | 108**Hs**- | 109**Mt**- | 110**Ds**- | 111**Rg**- |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 57**La**138.91 | 58**Ce**140.12 | 59**Pr**140.91 | 60**Nd**144.24 | 61**Pm**- | 62**Sm**150.36 | 63**Eu**151.96 | 64**Gd**157.25 | 65**Tb**158.93 | 66**Dy**162.50 | 67**Ho**164.93 | 68**Er**167.26 | 69**Tm**168.93 | 70**Yb**173.05 | 71**Lu**174.97 |
|  | 89**Ac**- | 90**Th**232.04 | 91**Pa**231.04 | 92**U**238.03 | 93**Np**- | 94**Pu**- | 95**Am**- | 96**Cm**- | 97**Bk**- | 98**Cf**- | 99**Es**- | 100**Fm**- | 101**Md**- | 102**No**- | 103**Lr**- |