

Periodic Table of the Elements
For Assessments Based on the 2010 Chemistry Standards of Learning

Periodic Table of the Elements

Atomic mass — 28.0855

Symbol — **Si**

Atomic number — 14

Name — Silicon

4.00260

He

2

Helium

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---------------------|---------|---------|--------------|-----------|------------|-----------|-----------|------------|-----------|--|-------------|----------|-------------|-----------|------------|-----------|--------|----------|--|-------------|--|----------|--|
| | | Transition Elements | | | | | | | | | | | | | | | | | | | | | | | |
| Period | 1 | Group 1 | | | | | | | | | | | | Group 13 | | Group 14 | | Group 15 | | Group 16 | | Group 17 | | Group 18 | |
| | 2 | 6.941 | 9.01218 | | | | | | | | | | | 10.81 | 12.0111 | 14.0067 | 15.9994 | 18.998403 | 20.179 | | | | | | |
| | 3 | 22.98977 | 24.305 | | | | | | | | | | | 26.98154 | 28.0855 | 30.97376 | 32.06 | 35.453 | 39.948 | | | | | | |
| | 4 | 39.0983 | 40.08 | 44.9559 | 47.88 | 50.9415 | 51.996 | 54.9380 | 55.847 | 58.9332 | 58.69 | 63.546 | 65.39 | 69.72 | 72.59 | 74.9216 | 78.96 | 79.904 | 83.80 | | | | | | |
| | 5 | 85.4678 | 87.62 | 88.9059 | 91.224 | 92.9064 | 95.94 | (98) | 101.07 | 102.906 | 106.42 | 107.868 | 112.41 | 114.82 | 118.71 | 121.75 | 127.60 | 126.905 | 131.29 | | | | | | |
| | 6 | 132.905 | 137.33 | 138.906 | 178.49 | 180.948 | 183.85 | 186.207 | 190.2 | 192.22 | 195.08 | 196.967 | 200.59 | 204.383 | 207.2 | 208.980 | (209) | (210) | (222) | | | | | | |
| | 7 | (223) | 226.025 | 227.028 | (261) | (262) | (263) | (262) | (265) | (266?) | (269?) | Mass numbers in parentheses are those of the most stable or most common isotope. | | | | | | | | | | | | | |
| | | Lanthanoid Series | | | | | | | | | | | | | | | | | | Metals ← | | → Nonmetals | | | |
| | | Actinoid Series | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 140.12 | 140.908 | 144.24 | (145) | 150.36 | 151.96 | 157.25 | 158.925 | 162.50 | 164.930 | 167.26 | 168.934 | 173.04 | 174.967 | | | | | | | | |
| | | | | Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | | | | | | | | |
| | | | | Cerium | Praseodymium | Neodymium | Promethium | Samarium | Europlium | Gadolinium | Terbium | Dysprosium | Holmium | Erbium | Thulium | Ytterbium | Lutetium | | | | | | | | |
| | | | | 232.038 | 231.036 | 238.029 | 237.048 | (244) | (243) | (247) | (247) | (251) | (252) | (257) | (258) | (259) | (260) | | | | | | | | |
| | | | | Th | Pa | U | Np | Pu | Am | Cm | Bk | Cf | Es | Fm | Md | No | Lr | | | | | | | | |
| | | | | Thorium | Protactinium | Uranium | Neptunium | Plutonium | Americium | Curium | Berkelium | Californium | Einsteinium | Fermium | Mendelevium | Nobelium | Lawrencium | | | | | | | | |

Revised May 2011

This Periodic Table of the Elements will be effective with the administration of the **fall 2012-spring 2013** Chemistry Standards of Learning (SOL) tests. During the Fall 2011, Spring 2012, and Summer 2012 SOL Test Administrations, do NOT distribute a paper copy of this Periodic Table of the Elements.