

# Periodic Table For Magnetic Resonance

<b>1</b>	Hydrogen
H	
1 1/2 42.6 2 1 6.5 3 1/2 45.4	3 <1 100

<b>2</b>	Helium
He	
3 1/2 -32.4 4	<1 100

<b>3</b>	Lithium
Li	
6 1 6.3 7 3/2 16.5 8 -40 9 3/2 -6.0 10 53 100	

<b>4</b>	Beryllium
Be	
9 3/2 -6.0 10 53 100	

<b>1</b>	Hydrogen
H	
1 1/2 42.6 2 1 6.5 3 1/2 45.4	3 <1 100

—Atomic number and name

—Chemical formula

Magnetic resonance data primarily from EasySpin.org:  
<https://easyspin.org/documentation/isotopetable.html>

Sources:

Table of Nuclear Magnetic Dipole and Electric Quadrupole Moments, N.Stone (2014)

Table of Nuclear Quadrupole Moments, N.Stone, (2013)

Table of the Isotopes, N.E.Holden

Nuclear Quadrupole Moments, P.Pyykkö, (2008)

Uncertainties at high atomic numbers can exceed 10 percent.

Send corrections to Michael W. Malone: [mwmalone@gmail.com](mailto:mwmalone@gmail.com)

<https://github.com/spyctra/Magnetic-Resonance-Periodic-Table>

<b>5</b>	Boron
B	
10 3 4.6 11 3/2 13.7 12 1/2 10.7	13 1/2 20 100 14 1/2 -4.3 15 1/2 -20 100 16 5/2 -5.8 -26 100 17 1/2 -26 100 18 1/2 100

<b>6</b>	Carbon
C	
12 1/2 10.7 13 1/2 10.7	99 1/2 100 100 1/2 100

<b>7</b>	Nitrogen
N	
14 1/2 3.1 15 1/2 -4.3 16 5/2 -26 100 17 1/2 -26 100 18 1/2 100	

<b>8</b>	Oxygen
O	
16 5/2 -5.8 -26 100 17 1/2 -26 100 18 1/2 100	19 1/2 40.1 100 1/2 100

<b>9</b>	Fluorine
F	
19 1/2 40.1 20 3/2 -3.4 21 1/2 100	20 3/2 -3.4 21 1/2 100

<b>10</b>	Neon
Ne	
20 3/2 -3.4 21 1/2 100	20 3/2 -3.4 21 1/2 100

<b>19</b>	Potassium
K	
39 3/2 2.0 40 4 -2.5 41 3/2 1.1 42 1/2 -73 43 7/2 -2.9 44 5/2 -2.6 45 1/2 -1 46 1/2 -1 47 1/2 -1 48 1/2 -1 49 1/2 -1 50 1/2 -1 51 1/2 -1 52 1/2 -1 53 1/2 -1 54 1/2 -1 55 1/2 -1 56 1/2 -1 57 1/2 -1 58 1/2 -1 59 1/2 -1 60 1/2 -1 61 1/2 -1 62 1/2 -1 63 1/2 -1 64 1/2 -1 65 1/2 -1 66 1/2 -1 67 1/2 -1 68 1/2 -1 69 1/2 -1 70 1/2 -1 71 1/2 -1 72 1/2 -1 73 1/2 -1 74 1/2 -1 75 1/2 -1 76 1/2 -1 77 1/2 -1 78 1/2 -1 79 1/2 -1 80 1/2 -1 81 1/2 -1 82 1/2 -1 83 1/2 -1 84 1/2 -1 85 1/2 -1 86 1/2 -1 87 1/2 -1 88 1/2 -1 89 1/2 -1 90 1/2 -1 91 1/2 -1 92 1/2 -1 93 1/2 -1 94 1/2 -1 95 1/2 -1 96 1/2 -1 97 1/2 -1 98 1/2 -1 99 1/2 -1 100 1/2 -1	93 100 94 100 95 100 96 100 97 100 98 100 99 100 100 100
<b>20</b>	Calcium
Ca	
23 3/2 11.3 24 5/2 -2.6 25 1/2 -1 26 1/2 -1 27 1/2 -1 28 1/2 -1 29 1/2 -1 30 1/2 -1 31 1/2 -1 32 1/2 -1 33 1/2 -1 34 1/2 -1 35 1/2 -1 36 1/2 -1 37 1/2 -1 38 1/2 -1 39 1/2 -1 40 1/2 -1 41 1/2 -1 42 1/2 -1 43 1/2 -1 44 1/2 -1 45 1/2 -1 46 1/2 -1 47 1/2 -1 48 1/2 -1 49 1/2 -1 50 1/2 -1 51 1/2 -1 52 1/2 -1 53 1/2 -1 54 1/2 -1 55 1/2 -1 56 1/2 -1 57 1/2 -1 58 1/2 -1 59 1/2 -1 60 1/2 -1 61 1/2 -1 62 1/2 -1 63 1/2 -1 64 1/2 -1 65 1/2 -1 66 1/2 -1 67 1/2 -1 68 1/2 -1 69 1/2 -1 70 1/2 -1 71 1/2 -1 72 1/2 -1 73 1/2 -1 74 1/2 -1 75 1/2 -1 76 1/2 -1 77 1/2 -1 78 1/2 -1 79 1/2 -1 80 1/2 -1 81 1/2 -1 82 1/2 -1 83 1/2 -1 84 1/2 -1 85 1/2 -1 86 1/2 -1 87 1/2 -1 88 1/2 -1 89 1/2 -1 90 1/2 -1 91 1/2 -1 92 1/2 -1 93 1/2 -1 94 1/2 -1 95 1/2 -1 96 1/2 -1 97 1/2 -1 98 1/2 -1 99 1/2 -1 100 1/2 -1	93 100 94 100 95 100 96 100 97 100 98 100 99 100 100 100
<b>21</b>	Scandium
Sc	
22 1/2 10.4 23 5/2 -2.4 24 1/2 -1 25 1/2 -1 26 1/2 -1 27 1/2 -1 28 1/2 -1 29 1/2 -1 30 1/2 -1 31 1/2 -1 32 1/2 -1 33 1/2 -1 34 1/2 -1 35 1/2 -1 36 1/2 -1 37 1/2 -1 38 1/2 -1 39 1/2 -1 40 1/2 -1 41 1/2 -1 42 1/2 -1 43 1/2 -1 44 1/2 -1 45 1/2 -1 46 1/2 -1 47 1/2 -1 48 1/2 -1 49 1/2 -1 50 1/2 -1 51 1/2 -1 52 1/2 -1 53 1/2 -1 54 1/2 -1 55 1/2 -1 56 1/2 -1 57 1/2 -1 58 1/2 -1 59 1/2 -1 60 1/2 -1 61 1/2 -1 62 1/2 -1 63 1/2 -1 64 1/2 -1 65 1/2 -1 66 1/2 -1 67 1/2 -1 68 1/2 -1 69 1/2 -1 70 1/2 -1 71 1/2 -1 72 1/2 -1 73 1/2 -1 74 1/2 -1 75 1/2 -1 76 1/2 -1 77 1/2 -1 78 1/2 -1 79 1/2 -1 80 1/2 -1 81 1/2 -1 82 1/2 -1 83 1/2 -1 84 1/2 -1 85 1/2 -1 86 1/2 -1 87 1/2 -1 88 1/2 -1 89 1/2 -1 90 1/2 -1 91 1/2 -1 92 1/2 -1 93 1/2 -1 94 1/2 -1 95 1/2 -1 96 1/2 -1 97 1/2 -1 98 1/2 -1 99 1/2 -1 100 1/2 -1	93 100 94 100 95 100 96 100 97 100 98 100 99 100 100 100
<b>22</b>	Titanium
Ti	
23 1/2 10.4 24 5/2 -2.4 25 1/2 -1 26 1/2 -1 27 1/2 -1 28 1/2 -1 29 1/2 -1 30 1/2 -1 31 1/2 -1 32 1/2 -1 33 1/2 -1 34 1/2 -1 35 1/2 -1 36 1/2 -1 37 1/2 -1 38 1/2 -1 39 1/2 -1 40 1/2 -1 41 1/2 -1 42 1/2 -1 43 1/2 -1 44 1/2 -1 45 1/2 -1 46 1/2 -1 47 1/2 -1 48 1/2 -1 49 1/2 -1 50 1/2 -1 51 1/2 -1 52 1/2 -1 53 1/2 -1 54 1/2 -1 55 1/2 -1 56 1/2 -1 57 1/2 -1 58 1/2 -1 59 1/2 -1 60 1/2 -1 61 1/2 -1 62 1/2 -1 63 1/2 -1 64 1/2 -1 65 1/2 -1 66 1/2 -1 67 1/2 -1 68 1/2 -1 69 1/2 -1 70 1/2 -1 71 1/2 -1 72 1/2 -1 73 1/2 -1 74 1/2 -1 75 1/2 -1 76 1/2 -1 77 1/2 -1 78 1/2 -1 79 1/2 -1 80 1/2 -1 81 1/2 -1 82 1/2 -1 83 1/2 -1 84 1/2 -1 85 1/2 -1 86 1/2 -1 87 1/2 -1 88 1/2 -1 89 1/2 -1 90 1/2 -1 91 1/2 -1 92 1/2 -1 93 1/2 -1 94 1/2 -1 95 1/2 -1 96 1/2 -1 97 1/2 -1 98 1/2 -1 99 1/2 -1 100 1/2 -1	93 100 94 100 95 100 96 100 97 100 98 100 99 100 100 100
<b>23</b>	Vanadium
V	
24 1/2 10.4 25 5/2 -2.4 26 1/2 -1 27 1/2 -1 28 1/2 -1 29 1/2 -1 30 1/2 -1 31 1/2 -1 32 1/2 -1 33 1/2 -1 34 1/2 -1 35 1/2 -1 36 1/2 -1 37 1/2 -1 38 1/2 -1 39 1/2 -1 40 1/2 -1 41 1/2 -1 42 1/2 -1 43 1/2 -1 44 1/2 -1 45 1/2 -1 46 1/2 -1 47 1/2 -1 48 1/2 -1 49 1/2 -1 50 1/2 -1 51 1/2 -1 52 1/2 -1 53 1/2 -1 54 1/2 -1 55 1/2 -1 56 1/2 -1 57 1/2 -1 58 1/2 -1 59 1/2 -1 60 1/2 -1 61 1/2 -1 62 1/2 -1 63 1/2 -1 64 1/2 -	