## Periodic Table of the Elements

Period

18	4.00260 0 He 2	18	20.180 10		18 2-8-8	83.798 0 <b>K</b> +2	<b>36</b> 2-8-18-8	131.29 <b>Q</b> 4.7 4.7 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4	<b>54</b> 2-8-18-18-8		<b>86</b> -18-32-18-8	(294) <b>Uuo</b>	118
		17	18.9984 –1 <b>9</b>	35.453 -1 35.453 -1 +1 +5	5 .	79.904 -1	<b>35</b> 2-8-18-7	-2 126.904 -1 +4 +6 +5	3-18-7	+2 (210) +4 <b>A</b>	<b>85</b> -18-32-18-7	SnO Ons	117
		<b>Group</b> 16	15.99942	32.065 -2 44 +4	<b>16</b>	78.96 -2 79.90 <b>SQ</b> +4 +4 +6	<b>34</b> 2-8-18-6	127.60 <b>T</b>	<b>52</b> 2-8-18-18-6	(209) <b>DO</b>	<b>84</b> -18-32-18-6	(292) <b>Uuh</b>	116
		<b>Gr</b> c 15	14.0067 -3 -1-1 -1-1 -1-1 -1-1 -1-1 -1-1 -1-1	2-5 30.97376	15 2-8-5	74.9216 -3 +3 <b>AS</b> +5	<b>33</b> 2-8-18-5	121.760 -3 <b>SD</b> +3	<b>51</b> 2-8-18-18-5	208.980 +3	<b>83</b> -18-32-18-5		115
		4	12.011 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		2 284 584	72.64 +2 <b>Ge</b> +4	<b>32</b> 2-8-18-4	-3 118.71 +2 <b>S</b>	<b>50</b> 2-8-18-18-4	207.2 +2 PD +4	<b>82</b> -18-32-18-4		114
		13	10.81 <b>T</b>	26.98154 +3	13 2-8-3	69.723 +3 <b>G2</b> 3	5	114.818 +3	<b>49</b> 2-8-18-18-3	204.383 +1	<b>81</b> -18-32-18-3	(284) <b>Uut</b>	113**
					12	65.409 +2 <b>Zn</b>	Ş	+1 112.41 +2 CQ	<b>48</b> 2-8-18-18-2	200.59 +1 +2 +2	<b>80</b> -18-32-18-2	<b>S</b> 82)	112
	ates	es are basec	entheses the most tope.		11	63.546 +1 CL +2	5	+2 107.868 +1 +4 <b>AQ</b>	<b>47</b> 2-8-18-18-1	+2 196.967 +1 +4 <b>AU</b>	<b>79</b> -18-32-18-1	(280) <b>BQ</b>	<b>=</b>
	Selected Oxidation States	Relative atomic masses are based on <sup>12</sup> C = 12 (exact)	Note: Numbers in parentheses are mass numbers of the most stable or common isotope.		10	58.693 +2	ņ	+3 106.42 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5	· ∞	+3 195.08 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +4 +	<b>78</b> -18-32-17-1		110
	<b>←</b> Selected	Relative a	Note: Nurare mass stable or		6	58.9332 +2	<b>27</b> 2-8-15-2	102.906	<b>45</b> 2-8-18-16-1	192.217	<b>77</b> -18-32-15-2	(276) <b>Mt</b>	109
	4 +	1 4		2	8 8	55.845 +2 3 +3 4 +3	<b>26</b> :8-14-2	<b>2</b>	<b>44</b> 2-8-18-15-1	190.23 O 54 O 54	<b>76</b> -18-32-14-2		108
	12.011	O ا	<b>6</b> 2-4	Ċ	5 /	.996 +2 54.9380 +2 54.9380 +2 54.9380 +2 54.9380 +3 54.	<b>25</b> 2-8-13-2	+6 (98) +4 101.07 + C + C + C + C + C + C + C + C + C +	<b>43</b> 2-8-18-13-2	186.207 <b>D</b>	<b>75</b> -18-32-13-2	1 Bh HS Mt	107
	Atomic Mass -> 12.011		Atomic Number ->			+++	.	<sup>†</sup> O	<u>ල</u>	5 183.84	<b>74</b> -18-32-12-2	<b>S</b>	9 9 )
		Ó	Atomic Number -> Electron Configuration ->			50.9415	<b>23</b> 2-8-11-2	+4 92.9064 +3 95.94 +5 P5	<b>41</b> 2-8-18-12-1	+4 180.948 <b>—</b>	<b>73</b> -18-32-11-2	+4 (262) <b>Db</b>	105
	KEY		Elec		4	3 47.867	<b>22</b> 2-8-10-2	+3 91.224 <b>Z</b>	_ <u> </u>	4	<b>72</b> *18-32-10-2	+3 (261) P4 +	104
			7-	7+	က	. 44.9559 <b>N</b>	2-8-9-2	88.9059	<b>39</b> 2-8-18-9-2	+2 138.9055 +3 178.49 <b>Table</b>	<b>57</b> 2-8-18-18-9-2	1 AC +3 C227) +3	88 -18-32-18-8-2 -18-32-18-9-3
	<u> </u>	<b>Group</b>	+1 9.01218 + <b>Be</b> +	2-2	12 Z	+1 40.08 +2 CA +2		S.62	<b>38</b> 2-8-18-8-2	137.33 <b>B</b>	<b>56</b> 2-8-18-18-	r (226) +2 (	
Pel —	1.00794	_ დ _	2 6.941	72686	11 11 2-8-1	4	<b>19</b> 2-8-8-1	5 <b>B5</b> .4678 + 5		132.905 +1 6 <b>CS</b>	<b>55</b> 2-8-18-18-8-1	7 <b>Fr</b>	<b>87</b> -18-32-18-8-1
- u	_ '	l			-			- 47				_ '	

<sup>m</sup>	<sup>ε</sup>
LU 71.9668	+2 (262) +3 <b>103</b>
1	9
	725
+3 168.934   <b>Tm</b>   <b>69</b>	+3 (258) 101
+3 167.259 <b>EF</b> 68	(267) +3 (267) 100 100 100 100 100 100 100 100 100 10
HO. 164.930 +3 PO 67	ို့လ
φ φ	<u>۳</u>
162.500 +3 164.930 HO 67	<b>28</b>
43 158.925 +3 <b>C C C C C C C C C C</b>	-3 (247) +5 <b>BK</b> +4 97
1 +3 157.25 +3 64 64 64	<b>S S S S S S S S S S</b>
+2 151.964 +2 15 +3 <b>EU</b> +3 15 63 <b>EU</b> +3 15	<b>H</b>
<b>Sm</b> <sup>+2</sup> 15	PU +5 94 95 95
ِ <b>ع</b>	<b>5</b> + 4 + 5 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6
± E	93 (237)
+3 144.24 <b>60</b>	+4 238.029 +5 <b>92</b>
140.116 +3 140.908 +3 144.24 Pr   N   N   S   S   S   S   S   S   S   S	+4 Z31.036 + 91 Pa +
25 <b>CP</b> 140.116	<b>Th</b>

<sup>\*</sup>denotes the presence of (2-8-) for elements 72 and above

<sup>\*\*</sup>The systematic names and symbols for elements of atomic numbers 113 and above will be used until the approval of trivial names by IUPAC.