Data NIST

(Z=1) H – Emission lines of neutral atom

(Z=2) He – Emission lines of neutral and singly ionized atom

(Z=3) Li – Emission lines of neutral and singly ionized atom

(Z=4) Be – Emission lines of neutral and singly ionized atom

(Z=5) B – Emission lines of neutral and singly ionized atom

(Z=6) C – Emission lines of neutral and singly ionized atom

(Z=7) N – Emission lines of neutral and singly ionized atom

(Z=8) O – Emission lines of neutral and singly ionized atom
(Z=9) F – Emission lines of neutral and singly ionized atom

(Z=10) Ne – Emission lines of neutral and singly ionized atom

(Z=11) Na – Emission lines of neutral and singly ionized atom

(Z=12) Mg – Emission lines of neutral and singly ionized atom

(Z=13) Al – Emission lines of neutral and singly ionized atom

(Z=14) Si – Emission lines of neutral and singly ionized atom

(Z=15) P – Emission lines of neutral and singly ionized atom

(Z=16) S – Emission lines of neutral and singly ionized atom
Emission lines of neutral and singly ionized atom

(Z=17) Cl  

(Z=18) Ar  

(Z=19) K  

(Z=20) Ca  

(Z=21) Sc  

(Z=22) Ti  

(Z=23) V  

(Z=24) Cr
(Z=25) Mn – Emission lines of neutral and singly ionized atom

(Z=26) Fe – Emission lines of neutral and singly ionized atom

(Z=27) Co – Emission lines of neutral and singly ionized atom

(Z=28) Ni – Emission lines of neutral and singly ionized atom

(Z=29) Cu – Emission lines of neutral and singly ionized atom

(Z=30) Zn – Emission lines of neutral and singly ionized atom

(Z=31) Ga – Emission lines of neutral and singly ionized atom

(Z=32) Ge – Emission lines of neutral and singly ionized atom
(Z=49) In – Emission lines of neutral and singly ionized atom

(Z=50) Sn – Emission lines of neutral and singly ionized atom

(Z=51) Sb – Emission lines of neutral and singly ionized atom

(Z=52) Te – Emission lines of neutral and singly ionized atom

(Z=53) I – Emission lines of neutral and singly ionized atom

(Z=54) Xe – Emission lines of neutral and singly ionized atom

(Z=55) Cs – Emission lines of neutral and singly ionized atom

(Z=56) Ba – Emission lines of neutral and singly ionized atom
<table>
<thead>
<tr>
<th>Element</th>
<th>Emission Lines of Neutral and Singly Ionized Atom</th>
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<tbody>
<tr>
<td>Ce</td>
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<tr>
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<tr>
<td>Pr</td>
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<tr>
<td>Nd</td>
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<td>Pm</td>
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<tr>
<td>Sm</td>
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<td>Eu</td>
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<tr>
<td>Gd</td>
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</table>
(Z=65) Tb – Emission lines of neutral and singly ionized atom

(Z=66) Dy – Emission lines of neutral and singly ionized atom

(Z=67) Ho – Emission lines of neutral and singly ionized atom

(Z=68) Er – Emission lines of neutral and singly ionized atom

(Z=69) Tm – Emission lines of neutral and singly ionized atom

(Z=70) Yb – Emission lines of neutral and singly ionized atom

(Z=71) Lu – Emission lines of neutral and singly ionized atom

(Z=72) Hf – Emission lines of neutral and singly ionized atom
<table>
<thead>
<tr>
<th>Z</th>
<th>Element</th>
<th>Emission Lines of Neutral and Singly Ionized Atom</th>
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<tbody>
<tr>
<td>73</td>
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<tr>
<td>74</td>
<td>W</td>
<td><img src="image" alt="Emission Lines of W" /></td>
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<tr>
<td>75</td>
<td>Re</td>
<td><img src="image" alt="Emission Lines of Re" /></td>
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<td>Pt</td>
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<tr>
<td>79</td>
<td>Au</td>
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<tr>
<td>80</td>
<td>Hg</td>
<td><img src="image" alt="Emission Lines of Hg" /></td>
</tr>
</tbody>
</table>
(Z=83) Bi – Emission lines of neutral and singly ionized atom

(Z=84) Po – Emission lines of neutral atom

(Z=85) At – Emission lines of neutral atom

(Z=86) Rn – Emission lines of neutral atom

(Z=88) Ra – Emission lines of neutral and singly ionized atom

(Z=89) Ac – Emission lines of neutral and singly ionized atom

(Z=90) Th – Emission lines of neutral and singly ionized atom
(Z=99) Es – Emission lines of neutral and singly ionized atom