

TABEL PERIODIK

index.html

```
<!DOCTYPE html>
<html lang="en" >
<head>
  <meta charset="UTF-8">
  <title>Tabel Periodik</title>
  <link rel='stylesheet'
href='//maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.cs
s'><link rel="stylesheet" href="./style.css">

</head>
<body>
<!-- partial:index.partial.html -->
<div id="status"
style="display:none;position:fixed;background:rgba(0, 0, 0,
0.75);color:white;top:0;left:0;width:100%;height:auto;z-
index:5;text-align:center;"></div>
<table>
  <caption id="title">
    TABEL PERIODIK UNSUR-UNSUR KIMIA</caption>
  <thead>
    <tr class="gol">
      <th class="indiv">Golongan
        <br/>Periodik</th>
      <th class="gol">
        <div class="content">1A
          <br/>Alkali</div>
      </th>
      <th class="gol">
        <div class="content">2A
          <br/>Alkali Tanah</div>
      </th>
      <th class="gol">
        <div class="content">3B</div>
      </th>
      <th class="gol">
        <div class="content">4B</div>
      </th>
      <th class="gol">
        <div class="content">5B</div>
      </th>
      <th class="gol">
        <div class="content">6B</div>
      </th>
      <th class="gol">
        <div class="content">7B</div>
      </th>
      <th class="gol" colspan="3">8B</th>
      <th class="gol">
        <div class="content">1B</div>
      </th>
      <th class="gol">
        <div class="content">2B</div>
      </th>
      <th class="gol">
        <div class="content">3A</div>
      </th>
      <th class="gol">
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        <div class="content">4A</div>
    </th>
    <th class="gol">
        <div class="content">5A</div>
    </th>
    <th class="gol">
        <div class="content">6A</div>
    </th>
    <th class="gol">
        <div class="content">7A
        <br/>Halogen</div>
    </th>
    <th class="gol">
        <div class="content">8A
        <br/>Gas Mulia</div>
    </th>
</tr>
</thead>
<tbody>
<tr>
    <th class="per">
        <div class="content-per">1</div>
    </th>
    <td class="g">
        <div class="content-tp">
            <div class="na">1</div>
            <div class="ma">1.008</div>
            <br/>
            <div class="lu">H</div>
            <div class="nu">Hidrogen</div>
        </div>
    </td>
    <td colspan="16"></td>
    <td class="gm">
        <div class="content-tp">
            <div class="na">2</div>
            <div class="ma">4.003</div>
            <br/>
            <div class="lu">He</div>
            <div class="nu">Helium</div>
        </div>
    </td>
</tr>
<tr>
    <th class="per">
        <div class="content-per">2</div>
    </th>
    <td class="l">
        <div class="content-tp">
            <div class="na">3</div>
            <div class="ma">6.939</div>
            <br/>
            <div class="lu">Li</div>
            <div class="nu">Litium</div>
        </div>
    </td>
    <td class="l">
        <div class="content-tp">
            <div class="na">4</div>
            <div class="ma">9.012</div>

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        <br/>
        <div class="lu">Be</div>
        <div class="nu">Berilium</div>
    </div>
</td>
<td colspan="10"></td>
<td class="m">
    <div class="content-tp">
        <div class="na">5</div>
        <div class="ma">10.811</div>
        <br/>
        <div class="lu">B</div>
        <div class="nu">Boron</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">6</div>
        <div class="ma">12.011</div>
        <br/>
        <div class="lu">C</div>
        <div class="nu">Karbon</div>
    </div>
</td>
<td class="g">
    <div class="content-tp">
        <div class="na">7</div>
        <div class="ma">14.007</div>
        <br/>
        <div class="lu">N</div>
        <div class="nu">Nitrogen</div>
    </div>
</td>
<td class="g">
    <div class="content-tp">
        <div class="na">8</div>
        <div class="ma">15.999</div>
        <br/>
        <div class="lu">O</div>
        <div class="nu">Oksigen</div>
    </div>
</td>
<td class="h">
    <div class="content-tp">
        <div class="na">9</div>
        <div class="ma">18.998</div>
        <br/>
        <div class="lu">F</div>
        <div class="nu">Fluor</div>
    </div>
</td>
<td class="gm">
    <div class="content-tp">
        <div class="na">10</div>
        <div class="ma">20.18</div>
        <br/>
        <div class="lu">Ne</div>
        <div class="nu">Neon</div>
    </div>
</td>

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</tr>
<tr>
  <th class="per">
    <div class="content-per">3</div>
  </th>
  <td class="l">
    <div class="content-tp">
      <div class="na">11</div>
      <div class="ma">22.989</div>
      <br/>
      <div class="lu">Na</div>
      <div class="nu">Natrium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">12</div>
      <div class="ma">24.305</div>
      <br/>
      <div class="lu">Mg</div>
      <div class="nu">Magnesium</div>
    </div>
  </td>
  <td colspan="10"></td>
  <td class="l">
    <div class="content-tp">
      <div class="na">13</div>
      <div class="ma">26.981</div>
      <br/>
      <div class="lu">Al</div>
      <div class="nu">Aluminium</div>
    </div>
  </td>
  <td class="m">
    <div class="content-tp">
      <div class="na">14</div>
      <div class="ma">28.086</div>
      <br/>
      <div class="lu">Si</div>
      <div class="nu">Silikon</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">15</div>
      <div class="ma">30.974</div>
      <br/>
      <div class="lu">P</div>
      <div class="nu">Fosfor</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">16</div>
      <div class="ma">32.066</div>
      <br/>
      <div class="lu">S</div>
      <div class="nu">Belerang</div>
    </div>
  </td>

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<td class="h">
  <div class="content-tp">
    <div class="na">17</div>
    <div class="ma">35.453</div>
    <br/>
    <div class="lu">Cl</div>
    <div class="nu">Klor</div>
  </div>
</td>
<td class="gm">
  <div class="content-tp">
    <div class="na">18</div>
    <div class="ma">39.948</div>
    <br/>
    <div class="lu">Ar</div>
    <div class="nu">Argon</div>
  </div>
</td>
</tr>
<tr>
  <th class="per">
    <div class="content-per">4</div>
  </th>
  <td class="l">
    <div class="content-tp">
      <div class="na">19</div>
      <div class="ma">39.098</div>
      <br/>
      <div class="lu">K</div>
      <div class="nu">Kalium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">20</div>
      <div class="ma">40.076</div>
      <br/>
      <div class="lu">Ca</div>
      <div class="nu">Kalsium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">21</div>
      <div class="ma">44.956</div>
      <br/>
      <div class="lu">Sc</div>
      <div class="nu">Skandium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">22</div>
      <div class="ma">47.88</div>
      <br/>
      <div class="lu">Ti</div>
      <div class="nu">Titanium</div>
    </div>
  </td>
  <td class="l">

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<div class="content-tp">
  <div class="na">23</div>
  <div class="ma">50.942</div>
  <br/>
  <div class="lu">V</div>
  <div class="nu">Vanadium</div>
</div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">24</div>
    <div class="ma">51.996</div>
    <br/>
    <div class="lu">Cr</div>
    <div class="nu">Kromium</div>
  </div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">25</div>
    <div class="ma">54.938</div>
    <br/>
    <div class="lu">Mn</div>
    <div class="nu">Mangan</div>
  </div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">26</div>
    <div class="ma">55.847</div>
    <br/>
    <div class="lu">Fe</div>
    <div class="nu">Besi</div>
  </div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">27</div>
    <div class="ma">58.933</div>
    <br/>
    <div class="lu">Co</div>
    <div class="nu">Kobalt</div>
  </div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">28</div>
    <div class="ma">58.69</div>
    <br/>
    <div class="lu">Ni</div>
    <div class="nu">Nikel</div>
  </div>
</td>
<td class="l">
  <div class="content-tp">
    <div class="na">29</div>
    <div class="ma">63.546</div>
    <br/>
    <div class="lu">Cu</div>
    <div class="nu">Tembaga</div>

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    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">30</div>
        <div class="ma">65.39</div>
        <br/>
        <div class="lu">Zn</div>
        <div class="nu">Seng</div>
    </div>
</td>
<td class="c">
    <div class="content-tp">
        <div class="na">31</div>
        <div class="ma">69.723</div>
        <br/>
        <div class="lu">Ga</div>
        <div class="nu">Galium</div>
    </div>
</td>
<td class="m">
    <div class="content-tp">
        <div class="na">32</div>
        <div class="ma">72.61</div>
        <br/>
        <div class="lu">Ge</div>
        <div class="nu">Germanium</div>
    </div>
</td>
<td class="m">
    <div class="content-tp">
        <div class="na">33</div>
        <div class="ma">74.922</div>
        <br/>
        <div class="lu">As</div>
        <div class="nu">Arsen</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">34</div>
        <div class="ma">78.96</div>
        <br/>
        <div class="lu">Se</div>
        <div class="nu">Selenium</div>
    </div>
</td>
<td class="h">
    <div class="content-tp">
        <div class="na">35</div>
        <div class="ma">79.904</div>
        <br/>
        <div class="lu">Br</div>
        <div class="nu">Bromin</div>
    </div>
</td>
<td class="gm">
    <div class="content-tp">
        <div class="na">36</div>
        <div class="ma">83.8</div>

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        <br/>
        <div class="lu">Kr</div>
        <div class="nu">Krypton</div>
    </div>
</td>
</tr>
<tr>
    <th class="per">5</th>
    <td class="1">
        <div class="content-tp">
            <div class="na">37</div>
            <div class="ma">85.4678</div>
            <br/>
            <div class="lu">Rb</div>
            <div class="nu">Rubidium</div>
        </div>
    </td>
    <td class="1">
        <div class="content-tp">
            <div class="na">38</div>
            <div class="ma">87.62</div>
            <br/>
            <div class="lu">Sr</div>
            <div class="nu">Stronsium</div>
        </div>
    </td>
    <td class="1">
        <div class="content-tp">
            <div class="na">39</div>
            <div class="ma">88.906</div>
            <br/>
            <div class="lu">Y</div>
            <div class="nu">Itrium</div>
        </div>
    </td>
    <td class="1">
        <div class="content-tp">
            <div class="na">40</div>
            <div class="ma">91.224</div>
            <br/>
            <div class="lu">Zr</div>
            <div class="nu">Zikronium</div>
        </div>
    </td>
    <td class="1">
        <div class="content-tp">
            <div class="na">41</div>
            <div class="ma">92.960</div>
            <br/>
            <div class="lu">Nb</div>
            <div class="nu">Niobium</div>
        </div>
    </td>
    <td class="1">
        <div class="content-tp">
            <div class="na">42</div>
            <div class="ma">95.94</div>
            <br/>
            <div class="lu">Mo</div>
            <div class="nu">Moilbdenum</div>

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    </div>
</td>
<td class="b">
    <div class="content-tp">
        <div class="na">43</div>
        <div class="ma">98 (0)</div>
        <br/>
        <div class="lu">Tc</div>
        <div class="nu">Teknesium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">44</div>
        <div class="ma">101.07</div>
        <br/>
        <div class="lu">Ru</div>
        <div class="nu">Rutenium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">45</div>
        <div class="ma">102.905</div>
        <br/>
        <div class="lu">Rh</div>
        <div class="nu">Rodium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">46</div>
        <div class="ma">106.42</div>
        <br/>
        <div class="lu">Rb</div>
        <div class="nu">Rubidium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">47</div>
        <div class="ma">107.868</div>
        <br/>
        <div class="lu">Ag</div>
        <div class="nu">Perak</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">48</div>
        <div class="ma">112.41</div>
        <br/>
        <div class="lu">Cd</div>
        <div class="nu">Kadmium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">49</div>
        <div class="ma">114.82</div>

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```

        <br/>
        <div class="lu">In</div>
        <div class="nu">Indium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">50</div>
        <div class="ma">118.71</div>
        <br/>
        <div class="lu">Sn</div>
        <div class="nu">Timah</div>
    </div>
</td>
<td class="m">
    <div class="content-tp">
        <div class="na">51</div>
        <div class="ma">121.76</div>
        <br/>
        <div class="lu">Sb</div>
        <div class="nu">Antimon</div>
    </div>
</td>
<td class="m">
    <div class="content-tp">
        <div class="na">52</div>
        <div class="ma">127.6</div>
        <br/>
        <div class="lu">Te</div>
        <div class="nu">Telurium</div>
    </div>
</td>
<td class="h">
    <div class="content-tp">
        <div class="na">53</div>
        <div class="ma">126.904</div>
        <br/>
        <div class="lu">I</div>
        <div class="nu">Yodium</div>
    </div>
</td>
<td class="gm">
    <div class="content-tp">
        <div class="na">54</div>
        <div class="ma">131.29</div>
        <br/>
        <div class="lu">Xe</div>
        <div class="nu">Xenon</div>
    </div>
</td>
</tr>
<tr>
    <th class="per">
        <div class="content-per">6</div>
    </th>
    <td class="c">
        <div class="content-tp">
            <div class="na">55</div>
            <div class="ma">132.905</div>
            <br/>

```

```

        <div class="lu">Cs</div>
        <div class="nu">Sesium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">56</div>
        <div class="ma">137.327</div>
        <br/>
        <div class="lu">Ba</div>
        <div class="nu">Barium</div>
    </div>
</td>
<td class="lan">
    <div class="content-tp">
        <div class="na">57-71</div>
        <div class="ma">138-174</div>
        <br/>
        <div class="nu">Rangkaian Lantanida</div>
        <br/>
        <div class="nu-desc">Nomor 57 sampai 71</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">72</div>
        <div class="ma">178.49</div>
        <br/>
        <div class="lu">Hf</div>
        <div class="nu">Hafnium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">73</div>
        <div class="ma">180.947</div>
        <br/>
        <div class="lu">Ta</div>
        <div class="nu">Tantalum</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">74</div>
        <div class="ma">137.327</div>
        <br/>
        <div class="lu">Ba</div>
        <div class="nu">Barium</div>
    </div>
</td>
<td class="l">
    <div class="content-tp">
        <div class="na">75</div>
        <div class="ma">186.207</div>
        <br/>
        <div class="lu">Re</div>
        <div class="nu">Renium</div>
    </div>
</td>
<td class="l">

```

```

    <div class="content-tp">
      <div class="na">76</div>
      <div class="ma">190.2</div>
      <br/>
      <div class="lu">Os</div>
      <div class="nu">Osmium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">77</div>
      <div class="ma">192.22</div>
      <br/>
      <div class="lu">Ir</div>
      <div class="nu">Irdium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">78</div>
      <div class="ma">195.08</div>
      <br/>
      <div class="lu">Pt</div>
      <div class="nu">Platina</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">79</div>
      <div class="ma">196.97</div>
      <br/>
      <div class="lu">Au</div>
      <div class="nu">Emas</div>
    </div>
  </td>
  <td class="c">
    <div class="content-tp">
      <div class="na">80</div>
      <div class="ma">200.59</div>
      <br/>
      <div class="lu">Hg</div>
      <div class="nu">Air Raksa</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">81</div>
      <div class="ma">204.37</div>
      <br/>
      <div class="lu">Tl</div>
      <div class="nu">Tanium</div>
    </div>
  </td>
  <td class="l">
    <div class="content-tp">
      <div class="na">82</div>
      <div class="ma">207.2</div>
      <br/>
      <div class="lu">Pb</div>
      <div class="nu">Timbal</div>

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        </div>
    </td>
    <td class="l">
        <div class="content-tp">
            <div class="na">83</div>
            <div class="ma">208.98</div>
            <br/>
            <div class="lu">Bi</div>
            <div class="nu">Bismut</div>
        </div>
    </td>
    <td class="m">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">84</div>
            <div class="ma">(209)</div>
            <br/>
            <div class="lu">Po</div>
            <div class="nu">Barium</div>
        </div>
    </td>
    <td class="h">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">85</div>
            <div class="ma">(210)</div>
            <br/>
            <div class="lu">At</div>
            <div class="nu">Astatin</div>
        </div>
    </td>
    <td class="gm">
        <div class="content-tp">
            <div class="na">86</div>
            <div class="ma">(222)</div>
            <br/>
            <div class="lu">Rn</div>
            <div class="nu">Radon</div>
        </div>
    </td>
</tr>
<tr>
    <th class="per">
        <div class="content-per">7</div>
    </th>
    <td class="c">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">87</div>
            <div class="ma">(223.02)</div>
            <br/>
            <div class="lu">Fr</div>
            <div class="nu">Fransium</div>
        </div>
    </td>
    <td class="l">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">88</div>
            <div class="ma">(226)</div>

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```

        <br/>
        <div class="lu">Ra</div>
        <div class="nu">Radium</div>
    </div>
</td>
<td class="akt">
    <div class="content-tp" title="Semua elemen Aktinida
termasuk dalam kategori Radioaktif">
        <div class="na">89-103</div>
        <div class="ma">227-262</div>
        <br/>
        <div class="nu">Rangkaian Aktinida</div>
        <br/>
        <div class="nu-desc">Nomor 89 sampai 103</div>
    </div>
</td>
<td class="b" title="Elemen ini termasuk dalam kategori
Radioaktif">
    <div class="content-tp">
        <div class="na">104</div>
        <div class="ma">[267]</div>
        <br/>
        <div class="lu">Rf</div>
        <div class="nu">Rutherfordium</div>
    </div>
</td>
<td class="b" title="Elemen ini termasuk dalam kategori
Radioaktif">
    <div class="content-tp">
        <div class="na">105</div>
        <div class="ma">[268]</div>
        <br/>
        <div class="lu">Db</div>
        <div class="nu">Dubnium</div>
    </div>
</td>
<td class="b" title="Elemen ini termasuk dalam kategori
Radioaktif">
    <div class="content-tp">
        <div class="na">106</div>
        <div class="ma">[269]</div>
        <br/>
        <div class="lu">Sg</div>
        <div class="nu">Seaborgium</div>
    </div>
</td>
<td class="b" title="Elemen ini termasuk dalam kategori
Radioaktif">
    <div class="content-tp">
        <div class="na">107</div>
        <div class="ma">[270]</div>
        <br/>
        <div class="lu">Bh</div>
        <div class="nu">Bohrium</div>
    </div>
</td>
<td class="b" title="Elemen ini termasuk dalam kategori
Radioaktif">
    <div class="content-tp">
        <div class="na">108</div>

```

```


[269]</div>
<br/>


Hs</div>


Hassium</div>
</div>
</td>
<td class="undef" title="Elemen ini termasuk dalam kategori
Radioaktif">


109</div>


[278]</div>
<br/>


Mt</div>


Meitnerium</div>
</div>
</td>
<td class="undef" title="Elemen ini termasuk dalam kategori
Radioaktif">


110</div>


[281]</div>
<br/>


111</div>


[281]</div>
<br/>


112</div>


[285]</div>
<br/>


113</div>


[284]</div>
<br/>


```

```

        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">114</div>
            <div class="ma">[289]</div>
            <br/>
            <div class="lu" title="Kode lain: Uuq">Fl</div>
            <div class="nu" title="Nama lain:
Ununquadium">Flerovium</div>
        </div>
    </td>
    <td class="undef">
        <div class="content-tp">
            <div class="na">115</div>
            <div class="ma">[288]</div>
            <br/>
            <div class="lu" title="Kode lain: -">Uup</div>
            <div class="nu" title="Nama lain: -">Ununpentium</div>
        </div>
    </td>
    <td class="undef">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">116</div>
            <div class="ma">[293]</div>
            <br/>
            <div class="lu" title="Kode lain: Uuh">Lv</div>
            <div class="nu" title="Nama lain:
Ununheksium">Livermorium</div>
        </div>
    </td>
    <td class="undef">
        <div class="content-tp">
            <div class="na">117</div>
            <div class="ma">[294]</div>
            <br/>
            <div class="lu" title="Kode lain: -">Uus</div>
            <div class="nu" title="Nama lain: -">Ununseptium</div>
        </div>
    </td>
    <td class="undef">
        <div class="content-tp" title="Elemen ini termasuk dalam
kategori Radioaktif">
            <div class="na">118</div>
            <div class="ma">[294]</div>
            <br/>
            <div class="lu" title="Kode lain: -">Uuo</div>
            <div class="nu" title="Nama lain: -">Ununoktium</div>
        </div>
    </td>
</tr>
<tr>
    <th></th>
    <td colspan="18">
        <div class="content-tp"></div>
    </td>
</tr>
<tr>
    <th></th>
    <td></td>
    <td class="lan">

```



```

        <div class="content-tp">
            <div class="na">&nbsp;</div>
            <div class="ma">&nbsp;</div>
            <br/>
            <div class="nu rlr">Rangkaian Lantanida</div>
        </div>
    </td>
    <td class="lan">
        <div class="content-tp">
            <div class="na">57</div>
            <div class="ma">138.906</div>
            <br/>
            <div class="lu">La</div>
            <div class="nu">Lantanum</div>
        </div>
    </td>
    <td class="lan">
        <div class="content-tp">
            <div class="na">58</div>
            <div class="ma">140.115</div>
            <br/>
            <div class="lu">Ce</div>
            <div class="nu">Serium</div>
        </div>
    </td>
    <td class="lan">
        <div class="content-tp">
            <div class="na">59</div>
            <div class="ma">140.908</div>
            <br/>
            <div class="lu">Pr</div>
            <div class="nu">Praseodimium</div>
        </div>
    </td>
    <td class="lan">
        <div class="content-tp">
            <div class="na">60</div>
            <div class="ma">144.24</div>
            <br/>
            <div class="lu">Nd</div>
            <div class="nu">Neodimium</div>
        </div>
    </td>
    <td class="lan-b">
        <div class="content-tp">
            <div class="na">61</div>
            <div class="ma">(145)</div>
            <br/>
            <div class="lu">Pm</div>
            <div class="nu">Prometium</div>
        </div>
    </td>
    <td class="lan">
        <div class="content-tp">
            <div class="na">62</div>
            <div class="ma">150.36</div>
            <br/>
            <div class="lu">Sm</div>
            <div class="nu">Samarium</div>
        </div>
    </td>

```

```
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">63</div>
    <div class="ma">151.96</div>
    <br/>
    <div class="lu">Eu</div>
    <div class="nu">Europium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">64</div>
    <div class="ma">157.25</div>
    <br/>
    <div class="lu">Gd</div>
    <div class="nu">Gadolinium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">65</div>
    <div class="ma">158.923</div>
    <br/>
    <div class="lu">Tb</div>
    <div class="nu">Terbium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">66</div>
    <div class="ma">162.5</div>
    <br/>
    <div class="lu">Dy</div>
    <div class="nu">Dysprosium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">67</div>
    <div class="ma">164.93</div>
    <br/>
    <div class="lu">Ho</div>
    <div class="nu">Holmium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">68</div>
    <div class="ma">167.26</div>
    <br/>
    <div class="lu">Er</div>
    <div class="nu">Erbium</div>
  </div>
</td>
<td class="lan">
  <div class="content-tp">
    <div class="na">69</div>
    <div class="ma">168.93</div>
    <br/>
```

```


Tm</div>


Tulium</div>
</div>
</td>
<td class="lan">


70</div>


173.04</div>
<br/>


Yb</div>


Iterbium</div>
</div>
</td>
<td class="lan">


71</div>


174.967</div>
<br/>


Lu</div>


Lutellium</div>
</div>
</td>
</tr>
<tr>
<th></th>
<td></td>
<td class="akt">


&nbsp;</div>


&nbsp;</div>
<br/>


89</div>


(227)</div>
<br/>


Ac</div>


90</div>


232.038</div>
<br/>


Th</div>


91</div>


231.035</div>
<br/>


```

```

        <div class="lu">Pa</div>
        <div class="nu">Protaktinium</div>
    </div>
</td>
<td class="akt">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">92</div>
        <div class="ma">238.029</div>
        <br/>
        <div class="lu">U</div>
        <div class="nu">Uranium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">93</div>
        <div class="ma">(237)</div>
        <br/>
        <div class="lu">Np</div>
        <div class="nu">Neptunium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">94</div>
        <div class="ma">(244)</div>
        <br/>
        <div class="lu">Pu</div>
        <div class="nu">Plutonium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">95</div>
        <div class="ma">(243)</div>
        <br/>
        <div class="lu">Am</div>
        <div class="nu">Amerisium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">96</div>
        <div class="ma">(247)</div>
        <br/>
        <div class="lu">Cm</div>
        <div class="nu">Kurium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">97</div>
        <div class="ma">(247)</div>
        <br/>

```

```

        <div class="lu">Bk</div>
        <div class="nu">Berkelium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">98</div>
        <div class="ma">(251)</div>
        <br/>
        <div class="lu">Cf</div>
        <div class="nu">Kalifornium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">99</div>
        <div class="ma">(252)</div>
        <br/>
        <div class="lu">Es</div>
        <div class="nu">Einsteinium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">100</div>
        <div class="ma">(257)</div>
        <br/>
        <div class="lu">Fm</div>
        <div class="nu">Fermium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">101</div>
        <div class="ma">(258)</div>
        <br/>
        <div class="lu">Md</div>
        <div class="nu">Mendelevium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">102</div>
        <div class="ma">(259)</div>
        <br/>
        <div class="lu">No</div>
        <div class="nu">Nobelium</div>
    </div>
</td>
<td class="akt-b">
    <div class="content-tp" title="Elemen ini termasuk ke dalam
kategori Radioaktif">
        <div class="na">103</div>
        <div class="ma">(262)</div>
        <br/>

```

```

        <div class="lu">Lr</div>
        <div class="nu">Lawrensium</div>
    </div>
</td>
</tr>
</tbody>
</table>
<!-- partial -->
<script
src='//cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js'></
script>
<script
src='//maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js'>
</script>
<script src='https://alumni22jp.googlecode.com/svn/anti-shortcut-
script.min.js'></script><script src="./script.js"></script>

</body>
</html>

```

Keterangan :

```

<caption id="title">
    TABEL PERIODIK UNSUR-UNSUR
    KIMIA</caption>

```

<caption>

- Elemen ini digunakan untuk memberikan **judul atau keterangan** pada sebuah tabel HTML.
- Secara default, keterangan ini akan ditampilkan **di atas** tabel.

id="title"

- Atribut id digunakan untuk memberi identitas unik pada elemen.
- Nilainya "title" berarti elemen ini bisa dirujuk di CSS atau JavaScript (misalnya untuk styling atau manipulasi konten).

Isi Teks

- Isi dari elemen ini adalah:
- Ini adalah judul tabel yang menjelaskan bahwa tabel tersebut adalah **tabel periodik unsur-unsur kimia**.

```

<tr class="gol">
    <th class="indiv">Golongan
    <br/>Periodik</th>
    <th class="gol">

```

<tr class="gol">

- Ini adalah elemen *table row* (baris dalam tabel).
- Atribut class="gol" berarti baris ini diberi kelas CSS bernama "gol", yang bisa digunakan untuk mengatur gaya lewat CSS.

**<th class="indiv">Golongan
Periodik</th>**

- Ini adalah elemen *table header cell* (sel judul kolom).
- class="indiv" berarti sel ini diberi kelas CSS bernama "indiv".
- Teks di dalamnya adalah **“Golongan”** dan **“Periodik”** yang dipisahkan oleh elemen **
**, artinya ditampilkan dalam dua baris:

<th class="gol">

- Ini adalah elemen header tabel tambahan yang belum ditutup (**</th>** belum terlihat di potongan gambar).

- class="gol" memberi gaya dari CSS kelas "gol".

```
<td class="g">
  <div class="content-tp">
    <div class="na">1</div>
    <div class="ma">1.008</div>
    <br/>
    <div class="lu">H</div>
    <div class="nu">Hidrogen</div>
  </div>
</td>
```

<td class="g">

- Ini adalah sel tabel (td = table data).
- class="g" mungkin mengacu pada "golongan" atau digunakan untuk styling unsur tertentu di CSS (misalnya warna golongan logam, non-logam, dll).

<div class="content-tp">

- Pembungkus isi elemen dalam sel tersebut.
- content-tp kemungkinan berarti "content table periodik" (untuk mengatur layout isi sel unsur).

<div class="na">1</div>

- na bisa berarti **nomor atom**.
- Nilainya **1**, yang benar untuk unsur **Hidrogen**.

<div class="ma">1.008</div>

- ma kemungkinan berarti **massa atom relatif**.
- Nilainya **1.008**, massa atom Hidrogen.

- Baris baru, memisahkan bagian atas (nomor & massa) dengan simbol dan nama unsur.

<div class="lu">H</div>

- lu berarti **lambang unsur**.
- Huruf **H** adalah simbol kimia untuk **Hidrogen**.

<div class="nu">Hidrogen</div>

- nu berarti **nama unsur**.
- Nama unsur: **Hidrogen**.

style.css

```
body {
  font-size: 11pt;
  line-height: initial;
}

table {
  width: 96%;
  background: #607D8B;
  font-family: roboto;
  border-style: none;
  border-collapse: separate;
  border-spacing: 2px;
}

th {
  width: 400px;
  max-width: 400px;
  font-family: roboto;
  text-align: center;
}
```

```
abbr {
  text-decoration: underline;
}
/* Layouting */

#title {
  background-color: #455A64;
  color: white;
  text-align: center;
}

.indiv {
  font-size: 0.9em;
  font-weight: bold;
}

.content {
  width: 90px;
  max-width: 90px;
}

.content-per {
  height: 90px;
  max-height: 90px;
}

.content-tp {
  width: 90px;
  max-width: 90px;
  height: 90px;
  max-height: 90px;
}

.gol {
  font-size: 0.9em;
  font-weight: bold;
}

.per {
  font-size: 4em;
  font-weight: bold;
}
/* For periodic Elements Inside */

.na {
  font-size: 0.7em;
  float: left;
}

.ma {
  font-size: 0.7em;
  float: right;
}

.lu {
  font-size: 2.75em;
  font-weight: bold;
  text-align: right;
  width: 97%;
}
```



```
    margin-right: 5px;
}

.sp {
    font-size: 0.9em;
    float: left;
}

.nu {
    font-size: 10.1pt;
    text-align: center;
}

.rlra {
    font-size: 12pt;
    margin-top: 5px;
}
td
{
    box-shadow:0 1.5px 4px rgba(0, 0, 0, 0.24), 0 1.5px 6px rgba(0, 0, 0, 0.12)
}
td[colspan], td:empty
{
    box-shadow:none;
}
.nu-desc {
    font-size: 7pt;
    text-align: center;
}

.kotak {
    width: 85px;
    height: 85px;
}
/* CSS for Element Category Starts */

.l {
    background: #FFEB3B;
}

.c {
    background: #2196F3;
}

.g {
    background: #4CAF50;
}

.b {
    background: #F44336;
}

.h {
    background: #9E9E9E;
}

.lan {
    background: #E91E63;
}
```

```

.lan-b {
  background: #F44336;
}

.akt {
  background: #9C27B0;
  color: #fff;
}

.akt-b {
  background: mediumpurple;
}

.m {
  background: brown;
}

.gm {
  background: LightSkyBlue;
}

.undef {
  background: silver;
}

```

Keterangan:

```

abbr {
  text-decoration: underline;
}
/* Layouting */

#title {
  background-color: #455A64;
  color: white;
  text-align: center;
}

.indiv {
  font-size: 0.9em;
  font-weight: bold;
}

```

- Kode CSS ini dipakai untuk mengatur:
- **abbr** adalah **HTML tag** untuk *abbreviation* (singkatan), Tampilan judul tabel (dengan ID title) — latar gelap, teks putih, rata tengah,
 - **text-decoration: underline;** berarti semua elemen <abbr> akan memiliki **garis bawah** pada teksnya.
- Elemen dengan kelas .indiv (biasanya digunakan untuk teks seperti "Golongan Periodik") agar tampil lebih kecil dan tebal.

```

.content {
  width: 90px;
  max-width: 90px;
}

.content-per {
  height: 90px;
  max-height: 90px;
}

.content-tp {
  width: 90px;
  max-width: 90px;
  height: 90px;
  max-height: 90px;
}

```

Kelas	Efek Utama
.content	Lebar tetap 90px
.content-per	Tinggi Tetap 90px
.content-tp	Ukuran persegi tetap 90*90px

```

.gol {
  font-size: 0.9em;
  font-weight: bold;
}

.per {
  font-size: 4em;
  font-weight: bold;
}
/* For periodic Elements Inside */

.na {
  font-size: 0.7em;
  float: left;
}

.ma {
  font-size: 0.7em;
  float: right;
}

```

Kelas	Fungsi
-------	--------

- | | |
|------|---------------------------------------------------------|
| .gol | Teks sedikit lebih kecil dari normal, tapi tebal |
| .per | Simbol utama (besar dan tebal), cocok untuk unsur kimia |
| .na | Teks kecil di kiri, misalnya nomor atom |
| .ma | Teks kecil di kanan, misalnya massa atom |

```
.lu {
  font-size: 2.75em;
  font-weight: bold;
  text-align: right;
  width: 97%;
  margin-right: 5px;
}

.sp {
  font-size: 0.9em;
  float: left;
}

.nu {
  font-size: 10.1pt;
  text-align: center;
}

.rlra {
  font-size: 12pt;
  margin-top: 5px;
}
```

Kelas

Fungsi Utama

- .lu Teks besar, tebal, rata kanan — cocok untuk judul atau angka penting
- .sp Teks kecil mengambang ke kiri — cocok untuk label atau kode kategori
- .nu Teks sedang, diratakan ke tengah — cocok untuk angka, label, atau info
- .rlra Teks standar dengan jarak atas — cocok untuk info lanjutan/deskripsi

```
td
{
  box-shadow:0 1.5px 4px rgba(0, 0, 0, 0.24), 0 1.5px 6px rgba(0, 0, 0, 0.12)
}
td[colspan], td:empty
{
  box-shadow:none;
}
.nu-desc {
  font-size: 7pt;
  text-align: center;
}

.kotak {
  width: 85px;
  height: 85px;
}
/* CSS for Element Category Starts */
```

Bagian CSS

Fungsi

- td Memberi bayangan pada semua sel tabel
- td[colspan], td:empty Menghilangkan bayangan dari sel penggabung kolom & sel kosong
- .nu-desc Menampilkan teks kecil, rata tengah — cocok untuk nama unsur
- .kotak Menentukan ukuran tetap kotak (biasanya untuk setiap sel unsur)
- Komentar Penanda bahwa setelahnya akan ada styling untuk kategori unsur kimia

```
.1 {
  background: #FFE83B;
}
```

.1 Background tujuannya untuk menandai kategori unsur dengan warna.

main.js

```
function showstatus(text, color) {
```

```
        $('#status').stop().slideUp().css('color',
color).html(text).slideDown().delay(2000).slideUp()
    }

window.onbeforeunload = function () {
    if (navigator.onLine) {} else {
        showstatus('<marquee>No network connection. Please do not
refresh until this message is disappear</marquee>', 'red')
    }
}

window.oncontextmenu = function () {
    showstatus('Right click is disabled', '#F44336');
    return false
}

shortcut.add('CTRL+U', function () {
    showstatus('View source is disabled!', '#F44336')
}),
shortcut.add('CTRL+Shift+I', function () {
    showstatus('Inspect Element is disabled!', '#F44336')
}),
shortcut.add('CTRL+Shift+J', function () {
    showstatus('JS Console is disabled!', '#F44336')
}),
shortcut.add('CTRL+Shift+C', function () {
    showstatus('Inspect Element is disabled!', '#F44336')
}),
shortcut.add('F12', function () {
    showstatus('JS Console is disabled!', '#F44336')
}),
shortcut.add('Meta+Alt+U', function () {
    showstatus('View source is disabled!', '#F44336')
}),
shortcut.add('Meta+Alt+I', function () {
    showstatus('Inspect Element is disabled!', '#F44336')
}),
shortcut.add('Meta+Alt+J', function () {
    showstatus('JS Console is disabled!', '#F44336')
}),
shortcut.add('Meta+Shift+C', function () {
    showstatus('Inspect Element is disabled!', '#F44336')
}),
shortcut.add('Meta+P', function () {
    showstatus('Preparing to print...', 'white');
    setTimeout(function () {
        window.print()
    }, 3000)
}),
shortcut.add('Ctrl+P', function () {
    showstatus('Preparing to print...', 'white');
    setTimeout(function () {
        window.print()
    }, 3000)
});
```

Keterangan

```
function showstatus(text, color) {  
  
    $('#status').stop().slideUp().css('color',  
color).html(text).slideDown().delay(2000).s  
lideUp()  
}  
  
window.onbeforeunload = function () {  
    if (navigator.onLine) {} else {  
        showstatus('<marquee>No network  
connection. Please do not refresh until  
this message is disappear</marquee>',  
'red')  
    }  
}  
  
window.oncontextmenu = function () {  
    showstatus('Right click is disabled',  
'#F44336');  
    return false  
}
```

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Fungsi: showstatus(text, color)

Fungsi ini:

- Mengambil elemen dengan ID #status
- Menyembunyikan elemen dengan animasi .slideUp()
- Mengganti warna teks dengan .css('color', color)
- Mengganti isi teks HTML dengan .html(text)
- Menampilkan lagi dengan animasi .slideDown()
- Menunggu 2 detik (.delay(2000))
- Menyembunyikan kembali elemen tersebut dengan .slideUp()

🔗 Tujuan: Menampilkan pesan status sementara ke pengguna.

window.onbeforeunload – Deteksi saat pengguna akan menutup halaman

- Menangani peristiwa saat pengguna akan menutup atau me-refresh halaman.
- Jika tidak ada koneksi internet, maka akan menampilkan pesan marquee merah tentang hilangnya koneksi.

window.oncontextmenu – Nonaktifkan klik kanan

- Menampilkan pesan "Right click is disabled" berwarna merah (#F44336).
- Mengembalikan false agar menu klik kanan tidak muncul.

```
shortcut.add('CTRL+U', function () {  
    showstatus('View source is disabled!', '#F44336')  
}),  
shortcut.add('CTRL+Shift+I', function () {  
    showstatus('Inspect Element is disabled!', '#F44336')  
}),
```

- **shortcut.add('CTRL+U', ...)**

Ini artinya menambahkan shortcut keyboard baru, yaitu kombinasi tombol **CTRL + U**.

- Ketika shortcut CTRL+U ditekan:

Fungsi yang ada di dalam function () { ... } akan dijalankan.

- **showstatus('View source is disabled!', '#F44336')**

Fungsi showstatus dipanggil dengan dua argumen:

- Pesan: 'View source is disabled!'

Ini adalah teks yang akan ditampilkan ke pengguna.

- Warna: '#F44336'

Ini kode warna merah (biasanya untuk tanda peringatan/error), yang akan dipakai untuk menampilkan pesan tersebut.

TABEL PERIODIK UNSUR-UNSUR KIMIA																															
Golongan Periodik	1A Alkali	2A Alkali Tanah	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B	3A	4A	5A	6A	7A Halogen	8A Gas Mulia													
1	<div>H</div> <div>1.008</div> <div>Hydrogen</div>																	<div>He</div> <div>4.003</div> <div>Helium</div>													
2	<div>Li</div> <div>6.941</div> <div>Lithium</div>	<div>Be</div> <div>9.012</div> <div>Berilium</div>											<div>B</div> <div>10.81</div> <div>Boron</div>	<div>C</div> <div>12.011</div> <div>Karbon</div>	<div>N</div> <div>14.007</div> <div>Nitrogen</div>	<div>O</div> <div>15.999</div> <div>Oksigen</div>	<div>F</div> <div>18.998</div> <div>Fluor</div>	<div>Ne</div> <div>20.18</div> <div>Neon</div>													
3	<div>Na</div> <div>22.99</div> <div>Natrium</div>	<div>Mg</div> <div>24.305</div> <div>Magnesium</div>											<div>Al</div> <div>26.98</div> <div>Aluminium</div>	<div>Si</div> <div>28.086</div> <div>Silikon</div>	<div>P</div> <div>30.974</div> <div>Fosfor</div>	<div>S</div> <div>32.06</div> <div>Belerang</div>	<div>Cl</div> <div>35.453</div> <div>Klor</div>	<div>Ar</div> <div>39.948</div> <div>Argon</div>													
4	<div>K</div> <div>39.098</div> <div>Kalium</div>	<div>Ca</div> <div>40.078</div> <div>Kalsium</div>	<div>Sc</div> <div>44.956</div> <div>Skandium</div>	<div>Ti</div> <div>47.88</div> <div>Titanium</div>	<div>V</div> <div>50.942</div> <div>Vanadium</div>	<div>Cr</div> <div>51.996</div> <div>Kromium</div>	<div>Mn</div> <div>54.938</div> <div>Mangan</div>	<div>Fe</div> <div>55.845</div> <div>Besi</div>	<div>Co</div> <div>58.933</div> <div>Kobalt</div>	<div>Ni</div> <div>58.69</div> <div>Nikel</div>	<div>Cu</div> <div>63.546</div> <div>Tembaga</div>	<div>Zn</div> <div>65.38</div> <div>Seng</div>	<div>Ga</div> <div>69.723</div> <div>Gallium</div>	<div>Ge</div> <div>72.64</div> <div>Germanium</div>	<div>As</div> <div>74.921</div> <div>Arsen</div>	<div>Se</div> <div>78.96</div> <div>Selenium</div>	<div>Br</div> <div>79.904</div> <div>Bromin</div>	<div>Kr</div> <div>83.8</div> <div>Krypton</div>													
5	<div>Rb</div> <div>85.468</div> <div>Rubidium</div>	<div>Sr</div> <div>87.62</div> <div>Strontium</div>	<div>Y</div> <div>88.906</div> <div>Ytrium</div>	<div>Zr</div> <div>91.224</div> <div>Zirkonium</div>	<div>Nb</div> <div>92.906</div> <div>Niobium</div>	<div>Mo</div> <div>95.94</div> <div>Molibdenum</div>	<div>Tc</div> <div>98.906</div> <div>Teknesium</div>	<div>Ru</div> <div>101.07</div> <div>Rutenium</div>	<div>Rd</div> <div>101.07</div> <div>Rodium</div>	<div>Rb</div> <div>102.905</div> <div>Rubidium</div>	<div>Ag</div> <div>107.868</div> <div>Pernik</div>	<div>Cd</div> <div>112.41</div> <div>Kadmium</div>	<div>In</div> <div>114.82</div> <div>Indium</div>	<div>Sn</div> <div>118.71</div> <div>Timah</div>	<div>Sb</div> <div>121.76</div> <div>Antimon</div>	<div>Te</div> <div>127.6</div> <div>Telurium</div>	<div>I</div> <div>126.905</div> <div>Jodine</div>	<div>Xe</div> <div>131.29</div> <div>Xenon</div>													
6	<div>Cs</div> <div>132.905</div> <div>Sesium</div>	<div>Ba</div> <div>137.327</div> <div>Barium</div>	<div>Rangkaian Lantanida</div> <div>138.905</div> <div>Rantai 57 unsur 57</div>	<div>Hf</div> <div>178.49</div> <div>Hafnium</div>	<div>Ta</div> <div>180.948</div> <div>Tantalum</div>	<div>Ba</div> <div>187.033</div> <div>Barium</div>	<div>Re</div> <div>186.207</div> <div>Rhenium</div>	<div>Os</div> <div>190.23</div> <div>Osmium</div>	<div>Ir</div> <div>192.22</div> <div>Iridium</div>	<div>Pt</div> <div>195.084</div> <div>Platina</div>	<div>Au</div> <div>196.967</div> <div>Emas</div>	<div>Hg</div> <div>200.59</div> <div>Ap Raksas</div>	<div>Tl</div> <div>204.38</div> <div>Timbal</div>	<div>Pb</div> <div>207.2</div> <div>Ploomb</div>	<div>Bi</div> <div>208.98</div> <div>Bismut</div>	<div>Po</div> <div>209</div> <div>Polonium</div>	<div>At</div> <div>210</div> <div>Astatin</div>	<div>Rn</div> <div>222</div> <div>Radon</div>													
7	<div>Fr</div> <div>223.021</div> <div>Francium</div>	<div>Ra</div> <div>226.025</div> <div>Radium</div>	<div>Rangkaian Aktinida</div> <div>227.03</div> <div>Rantai 88 unsur 88</div>	<div>Rf</div> <div>261</div> <div>Rutherfordium</div>	<div>Db</div> <div>262</div> <div>Dubnium</div>	<div>Sg</div> <div>266</div> <div>Seaborgium</div>	<div>Bh</div> <div>264</div> <div>Bohrium</div>	<div>Hs</div> <div>277</div> <div>Hassium</div>	<div>Mt</div> <div>268</div> <div>Mitnerium</div>	<div>Ds</div> <div>289</div> <div>Darmstadtium</div>	<div>Rg</div> <div>281</div> <div>Roentgenium</div>	<div>Cn</div> <div>285</div> <div>Kopernisium</div>	<div>Uut</div> <div>288</div> <div>Ununtrium</div>	<div>Fl</div> <div>286</div> <div>Flawium</div>	<div>Uup</div> <div>289</div> <div>Unupentium</div>	<div>Lv</div> <div>293</div> <div>Livermorium</div>	<div>Uus</div> <div>294</div> <div>Unusseptium</div>	<div>Uuo</div> <div>294</div> <div>Ununoktium</div>													
	<div>Rangkaian Lantanida</div> <div>138.905</div> <div>Rantai 14 unsur 14</div>	<div>La</div> <div>138.905</div> <div>Lantanum</div>	<div>Ce</div> <div>140.12</div> <div>Cerium</div>	<div>Pr</div> <div>140.908</div> <div>Praseodimium</div>	<div>Nd</div> <div>144.24</div> <div>Niobium</div>	<div>Pm</div> <div>144.913</div> <div>Prometium</div>	<div>Sm</div> <div>150.36</div> <div>Samarium</div>	<div>Eu</div> <div>151.964</div> <div>Europium</div>	<div>Gd</div> <div>157.25</div> <div>Gadolinium</div>	<div>Tb</div> <div>158.925</div> <div>Terbium</div>	<div>Dy</div> <div>162.5</div> <div>Dysprosium</div>	<div>Ho</div> <div>164.93</div> <div>Holmium</div>	<div>Er</div> <div>167.26</div> <div>Erbium</div>	<div>Tm</div> <div>168.93</div> <div>Thulium</div>	<div>Yb</div> <div>173.054</div> <div>Ytterbium</div>	<div>Lu</div> <div>174.967</div> <div>Lutetium</div>															
	<div>Rangkaian Aktinida</div> <div>88</div> <div>Rantai 14 unsur 14</div>	<div>Ac</div> <div>227.03</div> <div>Aktinium</div>	<div>Th</div> <div>232.038</div> <div>Thorium</div>	<div>Pa</div> <div>231.036</div> <div>Protaktinium</div>	<div>U</div> <div>238.029</div> <div>Uranium</div>	<div>Np</div> <div>237.048</div> <div>Neptunium</div>	<div>Pu</div> <div>244.064</div> <div>Plutonium</div>	<div>Am</div> <div>243.061</div> <div>Amerisium</div>	<div>Cm</div> <div>247.07</div> <div>Kurium</div>	<div>Bk</div> <div>247.07</div> <div>Berkelium</div>	<div>Cf</div> <div>251.08</div> <div>Kalifornia</div>	<div>Es</div> <div>252.083</div> <div>Einsteinium</div>	<div>Fm</div> <div>257.10</div> <div>Fermium</div>	<div>Md</div> <div>258.10</div> <div>Mendelevium</div>	<div>No</div> <div>259.10</div> <div>Nobelium</div>	<div>Lr</div> <div>262.10</div> <div>Lawrensium</div>															