

## TABEL PERIODIK

### Html section

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="path/to/font-awesome/css/font-awesome.min.css">
  <link rel="stylesheet" href="style.css">
  <title>Periodic Table</title>
</head>
<body>
  <div class="container">
    <div class="leftSide">
      <div class="firstRow">
        <div class="card nonMetal" id="modal-h">
          <div class="cardHead">
            <p>1</p>
          </div>
          <h1>H</h1>
          <p>Hydrogen</p>
        </div>
      </div>
      <div class="secondRow">
        <div class="card alkali">
          <div class="cardHead">
            <p>3</p>
          </div>
          <h1>Li</h1>
          <p>Lithium</p>
        </div>
        <div class="card alkaline">
          <div class="cardHead">
            <p>4</p>
          </div>
          <h1>Be</h1>
          <p>Beryllium</p>
        </div>
      </div>
      <div class="thirdRow">
        <div class="card alkali">
          <div class="cardHead">
            <p>11</p>
          </div>
          <h1>Na</h1>
          <p>Sodium</p>
        </div>
        <div class="card alkaline">
          <div class="cardHead">
            <p>12</p>
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        </div>
        <h1>Mg</h1>
        <p>Magnesium</p>
    </div>
</div>
<div class="fourthRow">
    <div class="card alkali">
        <div class="cardHead">
            <p>19</p>
        </div>
        <h1>K</h1>
        <p>Potassium</p>
    </div>
    <div class="card alkaline">
        <div class="cardHead">
            <p>20</p>
        </div>
        <h1>Ca</h1>
        <p>Calcium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>21</p>
        </div>
        <h1>Sc</h1>
        <p>Scandium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>22</p>
        </div>
        <h1>Ti</h1>
        <p>Titanium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>23</p>
        </div>
        <h1>V</h1>
        <p>Vanadium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>24</p>
        </div>
        <h1>Cr</h1>
        <p>Chromium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>25</p>
```

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        </div>
        <h1>Mn</h1>
        <p>Manganese</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>26</p>
        </div>
        <h1>Fe</h1>
        <p>Iron</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>27</p>
        </div>
        <h1>Co</h1>
        <p>Cobalt</p>
    </div>
</div>
<div class="fifthRow">
    <div class="card alkali">
        <div class="cardHead">
            <p>37</p>
        </div>
        <h1>Rb</h1>
        <p>Rubidium</p>
    </div>
    <div class="card alkaline">
        <div class="cardHead">
            <p>38</p>
        </div>
        <h1>Sr</h1>
        <p>Strontium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>39</p>
        </div>
        <h1>Y</h1>
        <p>Yttrium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>40</p>
        </div>
        <h1>Zr</h1>
        <p>Zirconium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>41</p>
```

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        </div>
        <h1>Nb</h1>
        <p>Niobium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>42</p>
        </div>
        <h1>Mo</h1>
        <p>Molybdenum</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>43</p>
        </div>
        <h1>Tc</h1>
        <p>Technetium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>44</p>
        </div>
        <h1>Ru</h1>
        <p>Ruthenium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>45</p>
        </div>
        <h1>Rh</h1>
        <p>Rhodium</p>
    </div>
</div>
<div class="sixthRow">
    <div class="card alkali">
        <div class="cardHead">
            <p>55</p>
        </div>
        <h1>Cs</h1>
        <p>Caesium</p>
    </div>
    <div class="card alkaline">
        <div class="cardHead">
            <p>56</p>
        </div>
        <h1>Ba</h1>
        <p>Barium</p>
    </div>
    <div class="card lanthanoid">
        <div class="cardHead">
            <p>57</p>
```

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        </div>
        <h1>La</h1>
        <p>Lanthanum</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>72</p>
        </div>
        <h1>Hf</h1>
        <p>Hafnium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>73</p>
        </div>
        <h1>Ta</h1>
        <p>Tantalum</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>74</p>
        </div>
        <h1>W</h1>
        <p>Tungsten</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>75</p>
        </div>
        <h1>Re</h1>
        <p>Rhenium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>76</p>
        </div>
        <h1>Os</h1>
        <p>Osmium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>77</p>
        </div>
        <h1>Ir</h1>
        <p>Iridium</p>
    </div>
</div>
<div class="seventhRow">
    <div class="card alkali">
        <div class="cardHead">
            <p>87</p>
```

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</div>
<h1>Fr</h1>
<p>Francium</p>
</div>
<div class="card alkaline">
  <div class="cardHead">
    <p>88</p>
  </div>
  <h1>Ra</h1>
  <p>Radium</p>
</div>
<div class="card actinoid">
  <div class="cardHead">
    <p>89</p>
  </div>
  <h1>Ac</h1>
  <p>Actinium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>104</p>
  </div>
  <h1>Rf</h1>
  <p>Rutherfordium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>105</p>
  </div>
  <h1>Db</h1>
  <p>Dubnium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>106</p>
  </div>
  <h1>Sg</h1>
  <p>Seaborgium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>107</p>
  </div>
  <h1>Bh</h1>
  <p>Bohrium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>108</p>
  </div>
  <h1>Ru</h1>
```

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        <p>Ruthenium</p>
    </div>
    <div class="card transition">
        <div class="cardHead">
            <p>109</p>
        </div>
        <h1>Hs</h1>
        <p>Hassium</p>
    </div>
</div>
</div>
<div class="rightSide">
    <div class="rowOne">
        <div class="card nobleGas">
            <div class="cardHead">
                <p>2</p>
            </div>
            <h1>He</h1>
            <p>Helium</p>
        </div>
    </div>
    <div class="rowTwo">
        <div class="card metalloid">
            <div class="cardHead">
                <p>5</p>
            </div>
            <h1>B</h1>
            <p>Borom</p>
        </div>
        <div class="card nonMetal">
            <div class="cardHead">
                <p>6</p>
            </div>
            <h1>C</h1>
            <p>Carbon</p>
        </div>
        <div class="card nonMetal">
            <div class="cardHead">
                <p>7</p>
            </div>
            <h1>N</h1>
            <p>Nitrogen</p>
        </div>
        <div class="card nonMetal">
            <div class="cardHead">
                <p>8</p>
            </div>
            <h1>O</h1>
            <p>Oxygen</p>
        </div>
        <div class="card halogen">
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<div class="cardHead">
  <p>9</p>
</div>
<h1>F</h1>
<p>Flourine</p>
</div>
<div class="card nobleGas">
  <div class="cardHead">
    <p>10</p>
  </div>
  <h1>Ne</h1>
  <p>Neon</p>
</div>
</div>
<div class="rowThree">
  <div class="card poor">
    <div class="cardHead">
      <p>13</p>
    </div>
    <h1>Al</h1>
    <p>Aluminium</p>
  </div>
  <div class="card metalloid">
    <div class="cardHead">
      <p>14</p>
    </div>
    <h1>Si</h1>
    <p>Silicon</p>
  </div>
  <div class="card nonMetal">
    <div class="cardHead">
      <p>15</p>
    </div>
    <h1>P</h1>
    <p>Phosphorus</p>
  </div>
  <div class="card nonMetal">
    <div class="cardHead">
      <p>16</p>
    </div>
    <h1>S</h1>
    <p>Sulfur</p>
  </div>
  <div class="card halogen">
    <div class="cardHead">
      <p>17</p>
    </div>
    <h1>Cl</h1>
    <p>Chlorine</p>
  </div>
  <div class="card nobleGas">
```



```
<div class="cardHead">
  <p>18</p>
</div>
<h1>Ar</h1>
<p>Argon</p>
</div>
</div>
<div class="rowFour">
  <div class="card transition">
    <div class="cardHead">
      <p>28</p>
    </div>
    <h1>Ni</h1>
    <p>Nickel</p>
  </div>
  <div class="card transition">
    <div class="cardHead">
      <p>29</p>
    </div>
    <h1>Cu</h1>
    <p>Copper</p>
  </div>
  <div class="card transition">
    <div class="cardHead">
      <p>30</p>
    </div>
    <h1>Zn</h1>
    <p>Zinc</p>
  </div>
  <div class="card poor">
    <div class="cardHead">
      <p>31</p>
    </div>
    <h1>Ga</h1>
    <p>Gallium</p>
  </div>
  <div class="card metalloid">
    <div class="cardHead">
      <p>32</p>
    </div>
    <h1>Ge</h1>
    <p>Germanium</p>
  </div>
  <div class="card metalloid">
    <div class="cardHead">
      <p>33</p>
    </div>
    <h1>As</h1>
    <p>Arsenic</p>
  </div>
  <div class="card nonMetal">
```

```
<div class="cardHead">
  <p>34</p>
</div>
<h1>Se</h1>
<p>Selenium</p>
</div>
<div class="card halogen">
  <div class="cardHead">
    <p>35</p>
  </div>
  <h1>Br</h1>
  <p>Bromine</p>
</div>
<div class="card nobleGas">
  <div class="cardHead">
    <p>36</p>
  </div>
  <h1>Kr</h1>
  <p>Krypton</p>
</div>
</div>
<div class="rowFive">
  <div class="card transition">
    <div class="cardHead">
      <p>46</p>
    </div>
    <h1>Pd</h1>
    <p>Palladium</p>
  </div>
  <div class="card transition">
    <div class="cardHead">
      <p>47</p>
    </div>
    <h1>Ag</h1>
    <p>Silver</p>
  </div>
  <div class="card transition">
    <div class="cardHead">
      <p>48</p>
    </div>
    <h1>Cd</h1>
    <p>Cadmium</p>
  </div>
  <div class="card poor">
    <div class="cardHead">
      <p>49</p>
    </div>
    <h1>In</h1>
    <p>Indium</p>
  </div>
</div>
<div class="card poor">
```

```
<div class="cardHead">
  <p>50</p>
</div>
<h1>Sn</h1>
<p>Tin</p>
</div>
<div class="card metalloid">
  <div class="cardHead">
    <p>51</p>
  </div>
  <h1>Sb</h1>
  <p>Antimony</p>
</div>
<div class="card metalloid">
  <div class="cardHead">
    <p>52</p>
  </div>
  <h1>Te</h1>
  <p>Tellurium</p>
</div>
<div class="card halogen">
  <div class="cardHead">
    <p>53</p>
  </div>
  <h1>I</h1>
  <p>Iodine</p>
</div>
<div class="card nobleGas">
  <div class="cardHead">
    <p>54</p>
  </div>
  <h1>Xe</h1>
  <p>Xenon</p>
</div>
</div>
<div class="rowSix">
  <div class="card transition">
    <div class="cardHead">
      <p>78</p>
    </div>
    <h1>Pt</h1>
    <p>Platinum</p>
  </div>
  <div class="card transition">
    <div class="cardHead">
      <p>79</p>
    </div>
    <h1>Au</h1>
    <p>Gold</p>
  </div>
  <div class="card transition">
```

```
<div class="cardHead">
  <p>80</p>
</div>
<h1>Hg</h1>
<p>Mercury</p>
</div>
<div class="card poor">
  <div class="cardHead">
    <p>81</p>
  </div>
  <h1>Tl</h1>
  <p>Thallium</p>
</div>
<div class="card poor">
  <div class="cardHead">
    <p>82</p>
  </div>
  <h1>Pb</h1>
  <p>Lead</p>
</div>
<div class="card poor">
  <div class="cardHead">
    <p>83</p>
  </div>
  <h1>Bi</h1>
  <p>Bismuth</p>
</div>
<div class="card metalloid">
  <div class="cardHead">
    <p>84</p>
  </div>
  <h1>Po</h1>
  <p>Polonium</p>
</div>
<div class="card halogen">
  <div class="cardHead">
    <p>85</p>
  </div>
  <h1>At</h1>
  <p>Astatine</p>
</div>
<div class="card nobleGas">
  <div class="cardHead">
    <p>86</p>
  </div>
  <h1>Rn</h1>
  <p>Radon</p>
</div>
</div>
<div class="rowSeven">
  <div class="card transition">
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```
<div class="cardHead">
  <p>110</p>
</div>
<h1>Ds</h1>
<p>Darmstadtium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>111</p>
  </div>
  <h1>Rg</h1>
  <p>Roentgenium</p>
</div>
<div class="card transition">
  <div class="cardHead">
    <p>112</p>
  </div>
  <h1>Cp</h1>
  <p>Copernicium</p>
</div>
<div class="card unknown">
  <div class="cardHead">
    <p>113</p>
  </div>
  <h1>Nh</h1>
  <p>Nihonium</p>
</div>
<div class="card unknown">
  <div class="cardHead">
    <p>114</p>
  </div>
  <h1>Fl</h1>
  <p>Flerovium</p>
</div>
<div class="card unknown">
  <div class="cardHead">
    <p>115</p>
  </div>
  <h1>Mc</h1>
  <p>Moscovium</p>
</div>
<div class="card unknown">
  <div class="cardHead">
    <p>116</p>
  </div>
  <h1>Lv</h1>
  <p>Livermorium</p>
</div>
<div class="card unknown">
  <div class="cardHead">
    <p>117</p>
```

```
        </div>
        <h1>Ts</h1>
        <p>Tennessine</p>
    </div>
    <div class="card unknown">
        <div class="cardHead">
            <p>118</p>
        </div>
        <h1>Og</h1>
        <p>Oganesson</p>
    </div>
</div>
</div>
</div>
<div class="footer">
    <div class="footerTop">
        <div class="card lanthanoid">
            <div class="cardHead">
                <p>58</p>
            </div>
            <h1>Ce</h1>
            <p>Cerium</p>
        </div>
        <div class="card lanthanoid">
            <div class="cardHead">
                <p>59</p>
            </div>
            <h1>Pr</h1>
            <p>Praseodymium</p>
        </div>
        <div class="card lanthanoid">
            <div class="cardHead">
                <p>60</p>
            </div>
            <h1>Nd</h1>
            <p>Neodymium</p>
        </div>
        <div class="card lanthanoid">
            <div class="cardHead">
                <p>61</p>
            </div>
            <h1>Pm</h1>
            <p>Promethium</p>
        </div>
        <div class="card lanthanoid">
            <div class="cardHead">
                <p>62</p>
            </div>
            <h1>Sm</h1>
            <p>Samarium</p>
        </div>
    </div>
</div>
```

```
<div class="card lanthanoid">
  <div class="cardHead">
    <p>63</p>
  </div>
  <h1>Eu</h1>
  <p>Europium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>64</p>
  </div>
  <h1>Gd</h1>
  <p>Gadolinium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>65</p>
  </div>
  <h1>Tb</h1>
  <p>Terbium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>66</p>
  </div>
  <h1>Dy</h1>
  <p>Dysprosium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>67</p>
  </div>
  <h1>Ho</h1>
  <p>Holmium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>68</p>
  </div>
  <h1>Er</h1>
  <p>Erbium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
    <p>69</p>
  </div>
  <h1>Tm</h1>
  <p>Thulium</p>
</div>
<div class="card lanthanoid">
  <div class="cardHead">
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        <p>70</p>
    </div>
    <h1>Yb</h1>
    <p>Ytterbium</p>
</div>
<div class="card lanthanoid">
    <div class="cardHead">
        <p>71</p>
    </div>
    <h1>Lu</h1>
    <p>Lutetium</p>
</div>
</div>
<div class="footerBottom">
    <div class="card actinoid">
        <div class="cardHead">
            <p>90</p>
        </div>
        <h1>Th</h1>
        <p>Thorium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
            <p>91</p>
        </div>
        <h1>Pa</h1>
        <p>Protactinium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
            <p>92</p>
        </div>
        <h1>U</h1>
        <p>Uranium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
            <p>93</p>
        </div>
        <h1>Np</h1>
        <p>Neptunium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
            <p>94</p>
        </div>
        <h1>Pu</h1>
        <p>Plutonium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
```



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        <p>95</p>
    </div>
    <h1>Am</h1>
    <p>Americium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>96</p>
    </div>
    <h1>Cm</h1>
    <p>Curium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>97</p>
    </div>
    <h1>Bk</h1>
    <p>Berkelium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>98</p>
    </div>
    <h1>Cf</h1>
    <p>Californium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>99</p>
    </div>
    <h1>Es</h1>
    <p>Einsteinium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>100</p>
    </div>
    <h1>Fm</h1>
    <p>Fermium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>101</p>
    </div>
    <h1>Md</h1>
    <p>Mendelevium</p>
</div>
<div class="card actinoid">
    <div class="cardHead">
        <p>102</p>
    </div>
```

```

        <h1>No</h1>
        <p>Nobelium</p>
    </div>
    <div class="card actinoid">
        <div class="cardHead">
            <p>103</p>
        </div>
        <h1>Lr</h1>
        <p>Lawrencium</p>
    </div>
</div>
<h3>Legend:</h3>
<div class="legend">

    <ul>
        <li class="nonMetal">Nonmetal</li>
        <li class="alkali">Alkali</li>
        <li class="alkaline">Alkaline</li>
        <li class="transition">Transition</li>
        <li class="lanthanoid">Lanthanoid</li>
        <li class="actinoid">Actinoid</li>
        <li class="poor">Poor</li>
        <li class="metalloid">Metalloid</li>
        <li class="halogen">Halogen</li>
        <li class="nobleGas">Noble Gas</li>
        <li class="unknown">Unknown</li>
    </ul>
</div>
</div>
</div>
<div id="modal-hydrogen" class="modal">
    <div class="modal-content">
        <div class="modal-header">
            <span class="close">&times;</span>
            <h2>Hydrogen</h2>
        </div>
        <div class="modal-body">
            <div class="modal-text">
                <p>Key isotopes: <sup>1</sup>H, <sup>2</sup> H</p>
                <p>Electron configuration: 1s<sup>1</sup></p>
                <p>Density(g cm<sup>-3</sup>): 0.000082</p>
                <p>1<sup>st</sup> ionisation energy: 1312.050 kJ mol <sup>-1</sup></p>
            </div>
        </div>
        <div class="card nonMetal">
            <div class="cardHead">
                <p>1</p>
            </div>
            <h1>H</h1>
            <p>Hydrogen</p>
        </div>
    </div>

```

```
        </div>
        </div>
        </div>
        </div>
        <script src="script.js"></script>
</body>
</html>
```

#### Css section

```
*{
  padding:0;
  margin:0;
}
h3{
  text-align: center;
  margin-top:1rem;
}
.card{
  text-align:center;
  border:none;
  box-shadow: 10px 10px 14px -3px rgba(0,0,0,0.47);
  width:4rem;
  color:#ddeedd;
  margin:1px;
  overflow: hidden;
  font-size:0.65rem;
}

.card:hover{
  cursor: pointer;
  background: rgb(152,152,152);
  background: linear-gradient(90deg, rgba(152,152,152,1) 19%, rgba(73,72,72,1) 66%);
}
.container{
  display: flex;
  justify-content: center;
  padding-top:0.5rem;
}
.leftSide{
  align-content: flex-start;
}
.rowOne, .rowTwo, .rowThree, .rowFour, .rowFive, .rowSix, .rowSeven{
  display: flex;
  justify-content: flex-end;
}
.rightSide{
  align-content: right;
  justify-content:flex-end;
```

```
}

.footerTop{
  display: flex;
  justify-content: center;
  margin-top: 2rem;
}

.footerBottom{
  display: flex;
  justify-content: center;
}

.secondRow{
  display: flex;
}

.thirdRow{
  display: flex;
}

.fourthRow{
  display: flex;
}

.fifthRow{
  display: flex;
}

.sixthRow{
  display: flex;
}

.seventhRow{
  display: flex;
}

.cardHead{
  text-align: left;
}

.nonMetal{
  background: rgb(22,208,53);
  background: linear-gradient(90deg, rgba(22,208,53,1) 0%, rgba(5,140,5,1) 35%);
}

.alkali{
  background: rgb(235,187,113);
  background: linear-gradient(90deg, rgba(235,187,113,1) 0%, rgba(240,150,9,1) 35%);
}
```

```
.alkaline{
  background: rgb(175,146,88);
  background: linear-gradient(90deg, rgba(175,146,88,1) 0%, rgba(148,99,1,1)
35%);
}

.transition{
  background: rgb(230,166,200);
  background: linear-gradient(90deg, rgba(230,166,200,1) 0%, rgba(223,114,172,1)
35%);
}

.lanthanoid{
  background: rgb(217,100,166);
  background: linear-gradient(90deg, rgba(217,100,166,1) 0%, rgba(237,23,144,1)
35%);
}

.actinoid{
  background: rgb(212,105,108);
  background: linear-gradient(90deg, rgba(212,105,108,1) 0%, rgba(229,30,37,1)
35%);
}

.poor{
  background: rgb(73,157,195);
  background: linear-gradient(90deg, rgba(73,157,195,1) 0%, rgba(31,112,149,1)
35%);
}

.metalloid{
  background: rgb(59,227,224);
  background: linear-gradient(90deg, rgba(59,227,224,1) 0%, rgba(22,171,168,1)
35%);background-color:#16aba8;
}

.halogen{
  background: rgb(181,218,129);
  background: linear-gradient(90deg, rgba(181,218,129,1) 0%, rgba(138,192,63,1)
35%);
}

.nobleGas{
  background: rgb(170,127,204);
  background: linear-gradient(90deg, rgba(170,127,204,1) 0%, rgba(126,81,161,1)
35%);
}

.unknown{
  background: rgb(168,163,163);
```

```
    background: linear-gradient(90deg, rgba(168,163,163,1) 0%, rgba(118,118,118,1)
35%);
}

ul{
    display:grid;
    grid-template-columns: repeat(11, 1fr);
    padding:1rem;
}

li{
    list-style-type: none;
    text-align: center;
    color:lightgray;
}

:root {
    --modal-duration: 1s;
    --modal-color: #505342;
}

.modal {
    display: none;
    position: fixed;
    z-index: 1;
    left: 0;
    top: 0;
    height: 100%;
    width: 100%;
    overflow: auto;
    background-color: rgba(0, 0, 0, 0.5);
}

.modal-content {
    margin: 10% auto;
    width: 60%;
    box-shadow: 0 5px 8px 0 rgba(0, 0, 0, 0.2), 0 7px 20px 0 rgba(0, 0, 0, 0.17);
    animation-name: modalopen;
    animation-duration: var(--modal-duration);
}

.modal-header h2,
.modal-footer h3 {
    margin: 0;
}

.modal-header {
    background: var(--modal-color);
```

```
padding: 15px;
color: #fff;
border-top-left-radius: 5px;
border-top-right-radius: 5px;
}

.modal-body {
padding: 10px 20px;
background: #fff;
display: flex;
justify-content: space-between;
}

.modal-footer {
background: var(--modal-color);
padding: 10px;
color: #fff;
text-align: center;
border-bottom-left-radius: 5px;
border-bottom-right-radius: 5px;
}

.close {
color: #ccc;
float: right;
font-size: 30px;
color: #fff;
}

.close:hover,
.close:focus {
color: #000;
text-decoration: none;
cursor: pointer;
}

@keyframes modalopen {
from {
opacity: 0;
}
to {
opacity: 1;
}
}

.legend{
text-align: center;
}

body{
background-color:lightgray;
```

```
}
```

## Js section

```
// Get DOM Elements
const modal = document.querySelector('#modal-hydrogen');
const modalBtn = document.querySelector('#modal-h');
const closeBtn = document.querySelector('.close');

// Events
modalBtn.addEventListener('click', openModal);
closeBtn.addEventListener('click', closeModal);
window.addEventListener('click', outsideClick);

// Open
function openModal() {
  modal.style.display = 'block';
}

// Close
function closeModal() {
  modal.style.display = 'none';
}

// Close If Outside Click
function outsideClick(e) {
  if (e.target == modal) {
    modal.style.display = 'none';
  }
}
```

### 1. Alkali (Golongan 1)

- Contoh: **Lithium (Li), Sodium (Na), Potassium (K)**
- **Sifat:** Sangat reaktif, lunak, bereaksi kuat dengan air.
- **Penggunaan:** Baterai (Li), garam dapur (NaCl).

### 2. Alkali Tanah (Golongan 2)

- Contoh: **Beryllium (Be), Magnesium (Mg), Calcium (Ca)**
- **Sifat:** Reaktif (tapi lebih lemah dari alkali), membentuk senyawa ionik.
- **Penggunaan:** Obat maag ( $\text{Mg(OH)}_2$ ), tulang (Ca).

### 3. Logam Transisi (Golongan 3-12)

- Contoh: **Iron (Fe), Copper (Cu), Gold (Au)**
- **Sifat:** Kuat, konduktor listrik, sering membentuk warna khas.
- **Penggunaan:** Struktur baja, kabel listrik, perhiasan.



#### 4. Logam Pasca Transisi

- Contoh: **Aluminium (Al), Tin (Sn), Lead (Pb)**
- **Sifat:** Lebih lunak, lebih mudah teroksidasi daripada logam transisi.
- **Penggunaan:** Kaleng (Sn), kabel listrik (Al), pelindung radiasi (Pb).

#### 5. Metaloid (Setengah Logam)

- Contoh: **Boron (B), Silicon (Si), Arsenic (As)**
- **Sifat:** Antara logam dan nonlogam, bisa sebagai semikonduktor.
- **Penggunaan:** Elektronik (Si), pupuk (B).

#### 6. Nonlogam

- Contoh: **Hydrogen (H), Carbon (C), Nitrogen (N), Oxygen (O)**
- **Sifat:** Tidak konduktif, cenderung membentuk molekul.
- **Penggunaan:** Udara (N<sub>2</sub>, O<sub>2</sub>), bahan bakar (H), kehidupan (C).

#### 7. Halogen (Golongan 17)

- Contoh: **Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)**
- **Sifat:** Sangat reaktif, membentuk garam dengan logam.
- **Penggunaan:** Desinfektan (Cl), pasta gigi (F), antiseptik (I).

#### 8. Gas Mulia (Golongan 18)

- Contoh: **Helium (He), Neon (Ne), Argon (Ar)**
- **Sifat:** Sangat stabil, tidak reaktif.
- **Penggunaan:** Balon (He), lampu reklame (Ne), las (Ar).



### Baris Khusus

#### 9. Lantanida (Baris 6, posisi terpisah)

- Contoh: **Lanthanum (La), Cerium (Ce), Neodymium (Nd)**
- **Sifat:** Logam langka, bersifat magnetik dan fluoresen.
- **Penggunaan:** Magnet kuat, lampu LED, laser.

#### 10. Aktinida (Baris 7, posisi terpisah)

- Contoh: **Uranium (U), Plutonium (Pu), Thorium (Th)**
  - **Sifat:** Radioaktif, banyak digunakan dalam reaksi nuklir.
  - **Penggunaan:** Pembangkit listrik tenaga nuklir, senjata nuklir.
-



## Cara Membaca Tabel Periodik

- **Nomor atom:** jumlah proton dalam inti atom.
- **Simbol kimia:** singkatan resmi dari nama unsur.
- **Nama unsur:** nama lengkap dari unsur.
- **Golongan dan periode:** menunjukkan sifat dan ukuran atom.