

Anion	Name	Anion	Name	Anion	Name
F <sup>-</sup>	Fluorid	H <sub>2</sub> PO <sub>4</sub> <sup>-</sup>	Dihydrogenphosphat	NO <sub>3</sub> <sup>-</sup>	Nitrat
Cl <sup>-</sup>	Chlorid	HPO <sub>4</sub> <sup>2-</sup>	Hydrogenphosphat	NO <sub>2</sub> <sup>-</sup>	Nitrit
Br <sup>-</sup>	Bromid	PO <sub>4</sub> <sup>3-</sup>	Phosphat	HSO <sub>4</sub> <sup>-</sup>	Hydrogensulfat
I <sup>-</sup>	Iodid	H <sub>2</sub> PO <sub>3</sub> <sup>-</sup>	Dihydrogenphosphit	SO <sub>4</sub> <sup>2-</sup>	Sulfat
SCN <sup>-</sup>	Rhodanid	HPO <sub>3</sub> <sup>2-</sup>	Hydrogenphosphit	HSO <sub>3</sub> <sup>-</sup>	Hydrogensulfit
CN <sup>-</sup>	Cyanid	PO <sub>3</sub> <sup>3-</sup>	Phosphit	SO <sub>3</sub> <sup>2-</sup>	Sulfit
OH <sup>-</sup>	Hydroxid	HCO <sub>3</sub> <sup>-</sup>	Hydrogencarbonat	CO <sub>3</sub> <sup>2-</sup>	Carbonat

Symbol	Name	Formel	Einheit
<i>n</i>	Stoffmenge	$n = \frac{m}{M}$ <i>alternativ</i> = $c \cdot V$	mol
<i>c</i>	Stoffmengenkonzentration	$c = \frac{n}{V}$ <i>alternativ</i> = $\frac{m}{M \cdot V}$	mol/l
<i>m</i>	Masse	$m = c \cdot V \cdot M$	g
<i>V</i>	Volumen	$V = \frac{n}{c}$ <i>alternativ</i> = $\frac{m}{M \cdot c}$	l
<i>M</i>	Molare Masse	$M = \frac{m}{n}$ <i>alternativ</i> = $\frac{m}{V \cdot c}$	g/mol

Säure	Berechnung	Base	Berechnung
<i>pH</i>	$pH = -\log c(H_3O^+)$	<i>pOH</i>	$pOH = -\log c(OH^-)$
<i>c</i> (H <sub>3</sub> O <sup>+</sup> )	$c(H_3O^+) = 10^{-pH} \frac{mol}{l}$	<i>c</i> (OH <sup>-</sup> )	$c(OH^-) = 10^{-pOH} \frac{mol}{l}$
<i>pH</i>	$pH = 14 - pOH$	<i>pOH</i>	$pOH = 14 - pH$
<i>K<sub>W</sub></i>	$K_W = c(H_3O^+) \cdot c(OH^-)$	<i>pK<sub>W</sub></i> = 14	$K_W = 10^{-pH} \cdot 10^{-pOH} = 10^{-14} \frac{mol^2}{l^2}$

<b>1</b> H Wasserstoff 1,0079 1									<b>2</b> He Helium 4,0026 2
	<b>2</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>			
<b>3</b> Li Lithium 6,941 2/1	<b>4</b> Be Beryllium 9,0122 2/2	<b>5</b> B Bor 10,81 2/3	<b>6</b> C Kohlenstoff 12,011 2/4	<b>7</b> N Stickstoff 14,007 2/5	<b>8</b> O Sauerstoff 15,999 2/6	<b>9</b> F Fluor 18,988 2/7	<b>10</b> Ne Neon 20,179 2/8		
<b>11</b> Na Natrium 22,99 2/8/1	<b>12</b> Mg Magnesium 24,305 2/8/2	<b>13</b> Al Aluminium 26,982 2/8/3	<b>14</b> Si Silicium 28,086 2/8/4	<b>15</b> P Phosphor 30,974 2/8/5	<b>16</b> S Schwefel 32,06 2/8/6	<b>17</b> Cl Chlor 35,453 2/8/7	<b>18</b> Ar Argon 39,948 2/8/8		
<b>19</b> K Kalium 39,098 2/8/8/1	<b>20</b> Ca Calcium 40,08 2/8/8/2	<b>31</b> Ga Gallium 69,735 2/8/18/3	<b>32</b> Ge Germanium 72,59 2/8/18/4	<b>33</b> As Arsen 74,922 2/8/18/5	<b>34</b> Se Selen 78,966 2/8/18/6	<b>35</b> Br Brom 79,904 2/8/18/7	<b>36</b> Kr Krypton 83,80 2/8/18/8		
<b>37</b> Rb Rubidium 85,458 2/8/18/8/1	<b>38</b> Sr Strontium 87,62 2/8/18/8/2	<b>49</b> In Indium 114,82 2/8/18/18/3	<b>50</b> Sn Zinn 118,89 2/8/18/18/4	<b>51</b> Sb Antimon 121,75 2/8/18/18/5	<b>52</b> Te Tellur 127,60 2/8/18/18/6	<b>53</b> I Iod 126,90 2/8/18/18/7	<b>54</b> Xe Xenon 131,30 2/8/18/18/8		
<b>55</b> Cs Cäsium 132,91 2/8/18/18/8/1	<b>56</b> Ba Barium 137,33 2/8/18/18/8/2	<b>81</b> Tl Thallium 204,37 2/8/18/32/18/3	<b>82</b> Pb Blei 207,19 2/8/18/32/18/4	<b>83</b> Bi Bismut 208,98 2/8/18/32/18/5	<b>84</b> Po Polonium 208,98 2/8/18/32/18/6	<b>85</b> At Astat (210) 2/8/18/32/18/7	<b>86</b> Rn Radon (222) 2/8/18/32/18/8		
<b>87</b> Fr Francium (223) 2/8/18/32/18/8/1	<b>88</b> Ra Radium 226,03 2/8/18/32/18/8/2								

☺ Good luck!!! 🎯