

CHEMISTRY APP evaluation:

1. Source (link to website or Appstore download):

<https://play.google.com/store/apps/details?id=com.chemistry>

2. Screenshot (eg):

OH ⁻	Hydroxid	18	35	24	101
F ⁻	Fluorid	20	37	26	104
Cl ⁻	Chlorid	36.5	53.5	42.5	112
Br ⁻	Bromid	81	98	87	166
I ⁻	Jodid	128	145	134	211
S ²⁻	Sulfid	34	68	46	201
SO ₄ ²⁻	Sulfat	98	132	110	261
HSO ₄ ⁻	Hydrosulfat	98	115	104	181
SO ₃ ²⁻	Sulfit	82	116	94	251
ClO ₄ ⁻	Perchlorat	100	117	106	181
ClO ₃ ⁻	Chlorat	84	101	90	161
NO ₃ ⁻	Nitrat	63	80	69	141
NO ₂ ⁻	Nitrit	47	64	53	131
PO ₄ ³⁻	(Ortho)Phosphat	98	149	116	351
HPO ₄ ²⁻	Wasserstoff	98	132	?	261
H ₂ PO ₄ ⁻	Dihydrogen	98	115	104	181
CH ₃ COO ⁻	Acetat	60	77	66	141
Cr ₂ O ₇ ²⁻	Dichromat	218	252	230	381
CrO ₄ ²⁻	Chromat	118	152	130	281
MnO ₄ ⁻	Permanganat	120	137	126	201
CO ₃ ²⁻	Karbonat	62	96	74	231
HCO ₃ ⁻	Natrium	62	79	68	141
SiO ₃ ²⁻	Metasilicat	78	?	90	241

Löslich (> 1 g pro 100 g Wasser)
Einige lösliche (0,1 bis 1 g pro 100 g Wasser)
Unlöslich (< 0,1 g pro 100 g Wasser)
Zerfällt in Wasser

3. Name and short description:

This app is simply called "Chemistry" and is very useful for browsing all the elements, and all the things associated with chemistry. Sometimes it is difficult to navigate around the app. It also contains ads, but no additional costs.

4. Evaluation criteria:

Points:

- ✓ IOS and Android: (1/2)

2 (1 / 2)

- ✓ Price or free: (0/1/2)

2 (0 / 1 / 2)

- ✓ Measurement & sensors used: (0/1/2/3/4/5)

0 (0/1/2/3/4/5)

sensors used (altitude, air pressure, moisture, magnetic field, temperature, motion, gyroscope, luminosity, GPS)

- ✓ Visual design and functionality: personal rating

How easy is the APP to use? (1/.../5)

3 (1/2/3/4/5)

- ✓ App in multiple languages:

Does the APP meet our criteria for intercultural usage – is it available in English and multiple languages? (1/2)

2 (1 / 2)

- ✓ Relevance for lesson & topic: personal rating

How relevant is the APP to the target audience – lessons/lections/short usage in our classrooms? (1/.../5)

3 (1/2/3/4/5)

5. Summary average calculated (weighted):

4,2

(6 subcriteria with 100% = 6.0 as best possible rating)

Further sources for APP evaluation:

<https://www.edugroup.at/innovation/tablets-mobiles/apps/wissenswertes/detail/wie-kann-ich-eine-app-evaluieren.html>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5748471/>

<https://www.gcu.ac.uk/library/smile/evaluation/evaluatingapps/>