**Chemistry Online Textbook Resources**

**cK-12 Website** *includes concepts and topics you can look up in order to improve your knowledge*

<https://www.ck12.org/features#dashboard>

**Open Stax CNX** *this is similar to the above site and allows you to enter the information you need help with.*

<https://cnx.org/search?q=chemistry>

**Sample virtual textbook with topics covered in chemistry**

<http://www.chem1.com/acad/webtext/intro/index.html>

**Chemistry Lessons and Tutorials for Students**

<https://www.kidinfo.com/science/chemistry.html>

**Science Geek Net with many links to different units and topics**

<http://www.sciencegeek.net/Chemistry/taters/directory.shtml>

**Sophia—an online resource with topics more like a book**

<https://www.sophia.org/search?utf8=%E2%9C%93&q=chemistry&qs=1>

**Individual Information—If you don’t see a resource, look in one of the above resources.**

**1-ACT Practice**

<https://www.act.org/content/act/en/products-and-services/the-act/test-preparation/science-practice-test-questions.html?page=0&chapter=0>

**2-Practice scientific method**

<http://monarchlab.org/education-and-gardening/how-to/the-process-of-science?/mitc/Resources/StudentResearch/ScientificMethod.aspx>

**3-Electromagnetic spectrum**

<http://www.can-do.com/uci/ssi2001/emspectrum.html>

**History of the atom**

<http://sciencenetlinks.com/lessons/history-atom-ancient-greeks/>

 **How to determine protons, neutrons, and electrons**

<https://education.jlab.org/qa/pen_number.html>

**How to determine masses of isotopes**

<http://www.chemteam.info/Mole/AverageAtomicWeight.html>

**4-Learning the periodic table**

[http://www.freetech4teachers.com/2010/10/5-good-resources-for-learning-periodic.html#.VdxdxCVVi1g](http://www.freetech4teachers.com/2010/10/5-good-resources-for-learning-periodic.html%22%20%5Cl%20%22.VdxdxCVVi1g)

**The periodic table of videos**

[http://www.periodicvideos.com/#](http://www.periodicvideos.com/)

**Periodic table basics video**

<https://www.teachertube.com/video/periodic-table-basics-153987?utm_source=video-google&utm_medium=video-view&utm_term=video&utm_content=video-page&utm_campaign=video-view-page>

**PTable** *interactive periodic table with lots of information beyond what you will need, but easy to maneuver.*

<https://ptable.com/#Writeup/Wikipedia>

**Photographic PT** *this one includes pictures of all elements on the periodic, fun resource to peruse.*

<http://periodictable.com/>

**Periodic Table Trends**

<https://www.thoughtco.com/chart-of-periodic-table-trends-608792>

**5-Help with Naming and Writing Compounds**

**Naming Ionic and Molecular (covalent) Compounds**

<https://www.quia.com/rr/180365.html>

**Practice writing and naming formulas**

<https://www.quia.com/jg/1736680.html>

<https://quizlet.com/5047401/chemistry-practice-namingwriting-formulas-of-compounds-flash-cards/>

<http://chemsite.lsrhs.net/FlashMedia/html/compoundsAll.html>

**Naming and Writing Acids**

[**https://quizlet.com/126046643/naming-acids-flash-cards/**](https://quizlet.com/126046643/naming-acids-flash-cards/)

<http://www.chemteam.info/Nomenclature/Acid-Nomenclature.html>

**6-Help with chemical bonding**

<http://www.visionlearning.com/en/library/Chemistry/1/Chemical-Bonding/55>

**7-Lewis structures and VSEPR**

<https://www.quia.com/quiz/3974088.html>

<https://www.proprofs.com/quiz-school/story.php?title=vsepr-quiz>

**8-Chemical reactions**

<http://www.visionlearning.com/en/library/Chemistry/1/Chemical-Reactions/54>

**9**-**Help with stoichiometry and moles**

<http://chemcollective.org/activities/tutorials/stoich/the_mole>

**10-Assistance with moles**

<http://chemcollective.org/activities/tutorials/stoich/the_mole>

**11-Gas laws**

<http://chemistry-reference.com/gases/>

**Gas law help from Khan Academy**

<https://www.khanacademy.org/science/chemistry/gases-and-kinetic-molecular-theory/ideal-gas-laws/v/ideal-gas-equation-pv-nrt>

**12-Intro to acids and bases Khan academy**

<https://www.khanacademy.org/science/chemistry/acids-and-bases-topic/acids-and-bases/v/acid-base-introduction>

<http://www.chem4kids.com/files/react_acidbase.html>

**13-Help with thermochemistry**

<http://chemcollective.org/activities/topic_page/2>

**14-Radiation assistance**

<http://www.docbrown.info/page03/3_54radio04.htm>

<https://www.youtube.com/watch?v=KWAsz59F8gA>