**Chemistry Links for Interactive Practice**

I have made an effort to review all the content listed here. However, if there is an item that contains an incorrect answer, please let me know the identity of the site. I did not personally create these resources and share them with you for practice.

**Online Scientific Calculator**

<https://www.engineeringtoolbox.com/scientific-calculator-d_1302.html> Use EE for your “times ten to the power of” function

<https://free-calculators-online.smpspowersupply.com/scientific-calculator-online.html> Use exp for your “times ten to the power of” function

**Significant Figures**

Determining the number of significant figures in a number:

<http://www.mrwiggersci.com/chem/Tutorials/Ch2-Interact-Pract-Sig-Figs-Blacksburg.htm>

<https://science.widener.edu/svb/tutorial/sigfigurescsn7.html>

<https://www.quia.com/quiz/114241.html?AP_rand=1107171532>

<https://chemquiz.net/sig/>

Determining the number of significant figures in a calculation: <http://www.mrwiggersci.com/chem/Tutorials/Ch2-Pract-Sig-Figs-in-Operations-Blacksburg.htm>

Both kinds: <https://www.sciencegeek.net/APchemistry/APtaters/sigfigs.htm>

Entire lesson with practice: <https://www.texasgateway.org/resource/significant-figures>

**Dimensional Analysis**

<https://quizizz.com/admin/quiz/59a06596a85c6f11000f0b50/dimensional-analysis>

<https://chemquiz.net/sic/>

**Density and SI Units**

<https://chemquiz.net/den/>

<https://chemquiz.net/sic/>

**Determining Charges and Valence Electrons**

<https://www.khanacademy.org/science/chemistry/chemical-bonds/copy-of-dot-structures/e/counting-valence-electrons-exercise>

<https://www.sciencegeek.net/Chemistry/taters/Unit2ValenceElectrons.htm> The “third series” refers to the third period (row)

**Atomic Properties, Light, and Energy Equations**

<https://chemquiz.net/lig/>

<https://chemquiz.net/nuc/>

<https://chemquiz.net/iso/>

<https://chemquiz.net/ele/>

<https://chemquiz.net/lew/>

**Ionic Compounds: Naming and Writing Formulas**

<http://www.sciencegeek.net/Chemistry/Quizzes/BinaryIonic/>

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

<https://www.sciencegeek.net/Chemistry/Review/IonicFillin/> This is a review of concepts.

<https://www.khanacademy.org/science/chemistry/atomic-structure-and-properties/names-and-formulas-of-ionic-compounds/e/naming-ionic-compounds>

<https://www.khanacademy.org/science/chemistry/atomic-structure-and-properties/names-and-formulas-of-ionic-compounds/e/find-the-formula-for-ionic-compounds>

<https://www.proprofs.com/quiz-school/story.php?title=ionic-compound-names-formulas-quiz-2>

<https://www.sporcle.com/games/RyanWitchey/Chem_Ionic> Skip KMnO4 (potassium permanganate) and NaHCO3 (sodium hydrogen carbonate)

<https://chemquiz.net/nam/>

**Covalent Compounds: Naming and Writing Formulas**

<https://www.sciencegeek.net/Chemistry/Review/BinaryCovalent/>

<https://www.sporcle.com/games/USAFAPrep/naming-covalent-compounds-1>

<https://www.sporcle.com/games/xoluvsdance12/naming_compound> (both ionic and covalent)

<https://www.chem.purdue.edu/gchelp/nomenclature/covalent_2009.htm>

<https://chemquiz.net/nam/>

**Balancing Equations** (Use a 1 when needed and not a blank for the coefficient for these practices.)

<https://www.sciencegeek.net/Chemistry/Review/Balancing/>

<https://chemquiz.net/bal/>

<https://education.jlab.org/elementbalancing/> You can pick the number of questions and the difficulty.

<https://www.khanacademy.org/science/chemistry/chemical-reactions-stoichiome/balancing-chemical-equations/e/balancing_chemical_equations>

<https://www.sciencegeek.net/APchemistry/APtaters/EquationBalancing.htm>

**Reaction Types**

<https://www.shmoop.com/chemical-reactions/quiz-1.html>

<https://www.britannica.com/quiz/types-of-chemical-reactions>

<https://www.sciencegeek.net/APchemistry/APtaters/ReactionIdentification.htm>

<https://chemquiz.net/bal/>

**Mole Conversions and Stoichiometry**

<https://chemquiz.net/mol/>

<https://chemquiz.net/sto/>

<https://www.proprofs.com/quiz-school/story.php?title=NjM3OTIxNLJL>

<https://www.sciencegeek.net/Chemistry/Review/GramsMoles/> This is mostly just mole conversions

**Percent Composition and Empirical and Molecular Formulas**

<https://chemquiz.net/mas/>

<https://www.softschools.com/quizzes/chemistry/stoichiometry_percent_composition/quiz1128.html>

**Percent Yield**

<https://www.softschools.com/quizzes/chemistry/stoichiometry_percent_yield/quiz1211.html>

<https://chemquiz.net/per/> Select percent yield instead of percent error.

**Thermochemistry**

<https://www.sciencegeek.net/Chemistry/Review/WaterThermo/>

<https://chemquiz.net/cal/>

<https://chemquiz.net/ent/>

<https://chemquiz.net/hes/>

<https://chemquiz.net/tce/>

<https://quizizz.com/admin/quiz/5cdd4d4810f955001b6ae579/unit-8-test-thermochemistry>

<https://quizizz.com/admin/quiz/5c9cce435ff6c3001e403c52/thermochemistry>

<https://www.proprofs.com/quiz-school/quizshow.php?title=NzEyMTI5QHNV&q=1> Skip #6

<https://www.sciencegeek.net/Chemistry/taters/Unit5Thermochemistry.htm>

**Gas Laws**

<https://chemquiz.net/gas/>

<https://www.sciencegeek.net/Chemistry/Quizzes/GasLaws/>

<https://www.sciencegeek.net/Chemistry/taters/Unit7GasLaws.htm>

<https://www.sciencegeek.net/Chemistry/taters/Unit7IdealGasLaw.htm> Ideal Gas Law Practice

<https://quizizz.com/admin/quiz/58aef916e6b625530573a390/ideal-gas-laws> Ideal Gas Law Practice

<https://quizizz.com/admin/quiz/5cc7097017bf45001aa7d69d/charles-law> Charles Law Practice

<https://quizizz.com/admin/quiz/5ac3b2be92439f001af64d00/boyles-law> Boyles Law Practice

**Solutions and Mixtures**

<https://chemquiz.net/sol/>

**Acids and Bases**

<https://chemquiz.net/pH/>

<https://chemquiz.net/abn/>

<https://www.sciencegeek.net/Chemistry/taters/Unit6AcidsBases.htm>

<https://www.cliffsnotes.com/study-guides/chemistry/chemistry/acids-and-bases/quiz-introduction-to-acids-and-bases>

<https://www.proprofs.com/quiz-school/search.php?search=acids>

**Equilibrium**

<https://chemquiz.net/keq/>