

ISBN/ Source	Title	Author	Publisher/Channel
978-0-618-24906-0	Silent Spring	Rachel Carson	Mariner Books
Youtube	Lab Safety	Flinn Scientific	Flinn Scientific
Youtube	Lab Techniques & Safety: Crash Course Chemistry #21	Hank Green	CrashCourse
Youtube	LAB RULES - Dua Lipa "New Rules" Parody   SCIENCE SONGS	Mitchell Moffit, Gregory Brown, Rachel Salt	AsapScience
Youtube	Engaging in Argumentation	Paul Anderson	Bozeman Science
Youtube	CER vs. CEJ Argument Driven Inquiry	Adam	ADI
Youtube	Investigating Mass & Change - Melting Ice	Ryan Bruick	
Youtube	Investigating Mass & Change - Solid Formation #2	Ryan Bruick	
Youtube	Investigating Mass & Change - Solid Formation #1	Ryan Bruick	
Youtube	Burning iron wool and change in mass MVI 0995	Nigel Baldwin	
Youtube	Making table salt using sodium metal and chlorine gas	Nile Red	
Youtube	Electrolysis of Water	Scott Milam	
Youtube	Burning Sulfur In Open Air	unknown	scientificpages
Youtube	CHEM 100 Magnesium Oxide: Empirical Formula	C.R. Harrison and K. McNamara	Dept. Chemistry San Diego State University
Youtube	What's the difference between a scientific law and theory? -	Matt Anticole	TED-Ed
Youtube	The mystery of matter search for the elements Lavoisier's Better Half	T Hofstetter	PBS
Youtube	Direct and Inverse Relationships	Teacher's Pet (Science Teacher from CA)	Teacher's Pet
Youtube	Using Graduated Cylinders	Power Bytz	Region 10 Education Service Center Texas
Youtube	Measurement and significant figures	Todd Morstein	
Youtube	Rules for Drawing Particle Diagrams	Hannah Nandor	
Youtube	Misconceptions About Temperature	Dr. Derek Muller	Veritasium for ABC TV Catalyst
Youtube	Food Coloring Diffusion	Darren Fix	Sciencefix
Youtube	Particle movement and temperature	Alexandra Krucas	
Youtube	What is Heat? A brief introduction at the particle level.	Crash Chemistry Academy	Mad Scientists Production

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Youtube	Heat and Temperature	Dave Farina	Professor Dave Explains
Youtube	Specific Heat Capacity Introduction video tutorial	Katrina Harte	The Animated Teacher
Youtube	Calorimetry Examples: How to Find Heat and Specific Heat Capacity	Melissa Maribel	
Youtube	Time lapse heating curve of ice below its freezing point	Benjamin Grodski	MrGrodskiChemistry
Youtube	2.5 Heating/Cooling Curves (Potential and Kinetic Energy Changes)	Teresa Long	Ms. Long
Youtube	Cooling curves - stearic acid cooling from a liquid to a solid	Ben Ryder	
Youtube	Changes of States of Matter	Teacher's Pet (Science Teacher from CA)	Teacher's Pet
Youtube	Soda Can Crusher - Cool Science Experiment	Steve Spangler	SpanglerScienceTV
Youtube	Railroad tank car vacuum implosion	Tom Brattain	Renewable Fuels
Youtube	Kinetic Molecular Theory and its Postulates	Dave Farina	Professor Dave Explains
Youtube	Kinetic Molecular Theory and the Ideal Gas Laws	Dave Farina	Professor Dave Explains
Youtube	Boyle's Law	Tyler DeWitt	
Youtube	Charles' Law	Tyler DeWitt	
Youtube	How to Use Each Gas Law   Study Chemistry With Us	Melissa Maribel	
Youtube	Naming Ionic Compounds with Transition Metals Introduction	Tyler DeWitt	
Youtube	Writing Formulas with Polyatomic Ions	Tyler DeWitt	
Youtube	Introduction to Balancing Chemical Equations	Tyler DeWitt	
Youtube	A Beginner's Guide to Balancing Equations	Paul Anderson	Bozeman Science
Youtube	Types of Chemical Reactions	Teacher's Pet (Science Teacher from CA)	Teacher's Pet
Youtube	Reactivity of Metals with HCl - Qualitative Lab	Benjamin Grodski	MrGrodskiChemistry
Youtube	Reactivity Series of Metals   Environmental   Chemistry   FuseSchool	Alistair Haynes	FuseSchool - Global Education
Youtube	Making Predictions Using Reactivity Series   Reactions   Chemistry   FuseSchool	Amanda Edward	FuseSchool - Global Education
Youtube	Alkali Metals Reacting with Water	Scott Milam	
Youtube	Stoichiometry Made Easy: Stoichiometry Tutorial Part 1	Ketzbook	ketzbook

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Youtube	Mole Ratio Practice Problems	Tyler DeWitt	
Youtube	Limiting Reactants and Percent Yield	Paul Anderson	Bozeman Science
Youtube	Types of Chemical Reactions	Melissa Maribel	
Youtube	Predicting Products of Single Replacement Reactions	Melissa Maribel	
Youtube	How to Use a Mole to Mole Ratio   How to Pass Chemistry	Melissa Maribel	
Youtube	Thomson's Model of an Atom - Class 9 Tutorial	amritacreate	Amrita University
Youtube	Thomson's Cathode Ray Tube Experiments	Wendell Thomas	
Youtube	The Discovery of the Atomic Nucleus (3 of 15)	Alom Shaha	The Science and Technology Facilities Council (www.scitech.ac.uk).
Youtube	Rutherford's Atomic Model - Part 1   Atoms and Molecules   Infinity Learn		Infinity Learn NEET
Youtube	Rutherford's Atomic Model - Part 2   Atoms and Molecules   Don't Memorise		Infinity Learn NEET
Youtube	How Can You See an Atom?	Reactions	American Chemical Society
Youtube	How Small Is An Atom? Spoiler: Very Small.	Kurzgesagt	Kurzgesagt – In a Nutshell
Youtube	How to Add and Cite a Picture in Google Slides	Kristen Simms	
Youtube	What Are Atoms Made Of?	Jon Perry	Stated Clearly
Youtube	Nuclide Symbols	Jake Winegrad	
Youtube	Nuclide Symbols: Atomic Number, Mass Number, Ions, and Isotopes	Dave Farina	Professor Dave Explains
Youtube	Isotopes vs Ions (The difference between isotopes and ions.)	Wayne Breslyn	
Youtube	This Is Not What an Atom Looks Like	Hank Green	SciShow
Youtube	Emission Spectra and the Bohr Model		Ben's Chem Videos
Youtube	Bohr Model of the Hydrogen Atom	Dave Farina	Professor Dave Explains
Youtube	HOW TO DRAW BOHR DIAGRAMS	Matthew Wheaton	The How-To Scholar: Education
Youtube	Introduction to the Atom (English)	William R. Sponholtz, III, B.S., M.S., PH.D.	PassChem: Sponholtz Productions

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Youtube	3D Atom Quantum model v1	John Morone	Isotopic Design
Youtube	Writing Electron Configurations with the Periodic Table	D Genova	MrDGenova
Youtube	CH 5 CHEMISTRY NOBLE GAS NOTATION	Brian S Miller	SMARTERTEACHER
Youtube	The genius of Mendeleev's periodic table - Lou Serico	Lou Serico	TED-Ed
Youtube	The Periodic Table: Atomic Radius, Ionization Energy, and Electronegativity	Dave Farina	Professor Dave Explains
Youtube	Lewis Dot Structures	Dave Farina	Professor Dave Explains
Youtube	Dogs Teaching Chemistry - Chemical Bonds	undeclared	snuggliepuppy
Youtube	What Are Metallic Bonds   Properties of Matter   Chemistry	Amanda Edward	FuseSchool - Global Education
Youtube	Lewis Diagrams Made Easy: How to Draw Lewis Dot Structures	Ketzbook	ketzbook
Youtube	Lewis Structures Made Easy: Examples and Tricks for Drawing Lewis Dot Diagrams of Molecules	Ketzbook	ketzbook
Youtube	The Molecular Shape of You (Ed Sheeran Parody)   A Capella Science	Tim Blais	acapellascience
Youtube	Molecular Geometry: Rules, Examples, and Practice	Wayne Breslyn	
Youtube	VSEPR Theory: Introduction	Tyler DeWitt	
Youtube	How Soap Suds Kill the Coronavirus	Emily V. Driscoll	NewYork-Presbyterian Hospital
Youtube	How soap kills the coronavirus	Madeline Marshall	Vox
Youtube	Intermolecular Forces and Boiling Points	Dave Farina	Professor Dave Explains
Youtube	Polar Bonds and Molecules	Teacher's Pet (Science Teacher from CA)	Teacher's Pet
Youtube	Major Intermolecular Forces	Dr. Paul McCord	David Vanden Bout
Youtube	How Can This Chemical Be a Solid, Liquid, and Gas at the Same Time?	Discovery, Inc.	Science Channel
Youtube	Triple Point of Water		UC Santa Cruz Physics Department
Youtube	Thermodynamics - Explaining the Triple Point	Centre for New Media at Bergen University College, Norway	Medielab HVL
Youtube	Phase Diagram, Phases of Matter and Triple Point of Water		Adeep Engineering

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Youtube	Phase Diagrams of Water & CO2 Explained - Chemistry - Melting, Boiling & Critical Point		The Organic Chemistry Tutor
Youtube	Phase Diagrams Simplified	Mr. Kent	Kentchemistry.com
Youtube	Turning in Student Work for CK-12 on Canvas		CK-12 Foundation
Youtube	Solubility Curves - Saturated, Unsaturated, Supersaturated Solutions		sciencepost
Youtube	Molarity Practice Problems	Tyler DeWitt	
Youtube	Molarity Practice Problems (Part 2)	Tyler DeWitt	
Youtube	SHHS All About That Base	SHHS Science Department	elizabeth bennett
Youtube	A Brief Introduction to Alpha, Beta and Gamma Radiation	Professor Davis	ChemSurvival
Youtube	What are Alpha, Beta and Gamma Decay?		Chemin10
Youtube	Nuclear Half Life: Intro and Explanation	Tyler DeWitt	
Youtube	Radiometric Dating: Carbon-14 and Uranium-238	Dave Farina	Professor Dave Explains
<a href="https://www.visionlearning.com/library/animations/daltons_playhouse/">https://www.visionlearning.com/library/animations/daltons_playhouse/</a>	Early Ideas about Matter: Dalton's Playhouse	Anthony Carpi, PH.D.	Visionlearning
<a href="https://jasonstark.com/science/measurement-length/">https://jasonstark.com/science/measurement-length/</a>	Measurement Practice: Length	Jason Stark	Construct 3
<a href="https://jasonstark.com/science/mass-volume/">https://jasonstark.com/science/mass-volume/</a>	Mass-Volume	Jason Stark	Construct 3
<a href="https://jasonstark.com/science/mass-volume2/">https://jasonstark.com/science/mass-volume2/</a>	Mass-Volume 2	Jason Stark	Construct 3

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<a href="https://phet.colorado.edu/sims/html/gases-intro/latest/gases-intro_en.html">https://phet.colorado.edu/sims/html/gases-intro/latest/gases-intro_en.html</a>	Gases Intro	PhET Interactive Simulations	University of Colorado Boulder
<a href="https://contrib.pbslearningmedia.org/WGBH/arct15/SimBucket/Simulations/chemthink-particulate/nature/content/index.html">https://contrib.pbslearningmedia.org/WGBH/arct15/SimBucket/Simulations/chemthink-particulate/nature/content/index.html</a>	The Particulate Nature of Matter Tutorial	ChemThink	SimBucket
<a href="https://phet.colorado.edu/sims/html/balancing-chemical-equations/latest/balancing-chemical-equations_all.html">https://phet.colorado.edu/sims/html/balancing-chemical-equations/latest/balancing-chemical-equations_all.html</a>	Balancing Chemical Equations	PhET Interactive Simulations	University of Colorado Boulder
<a href="https://www.simbucket.com/chemthinkserver/chemthink/index.html?rn">https://www.simbucket.com/chemthinkserver/chemthink/index.html?rn</a>	Chemical Reactions Tutorial	ChemThink	SimBucket

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<a href="https://simbucket.com/chemthinkserver/chemthink/index.html?as">https://simbucket.com/chemthinkserver/chemthink/index.html?as</a>	Atomic Structure Tutorial	ChemThink	SimBucket
<a href="https://phet.colorado.edu/sims/html/build-an-atom/latest/build-an-atom_all.html">https://phet.colorado.edu/sims/html/build-an-atom/latest/build-an-atom_all.html</a>	Build An Atom	PhET Interactive Simulations	University of Colorado Boulder
<a href="https://www.visionlearning.com/library/animations/Bohrs_Atom/Bohrs_Atom.html">https://www.visionlearning.com/library/animations/Bohrs_Atom/Bohrs_Atom.html</a>	Bohr's Atom: Electron Transitions in the Hydrogen Atom		Vision Learning
<a href="https://www.visionlearning.com/library/animations/Periodic/Periodic_main.html">https://www.visionlearning.com/library/animations/Periodic/Periodic_main.html</a>	Atomic and ionic structure of the first 12 elements		Vision Learning
<a href="https://upload.wikimedia.org/wikipedia/commons/1/17/Bohr_atom_animation_2.gif">https://upload.wikimedia.org/wikipedia/commons/1/17/Bohr_atom_animation_2.gif</a>	Bohr Atom Animation Gif		

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<a href="https://www.quora.com/When-was-the-last-time-98-of-scientists-got-something-really-important-wrong/answer/Aravind-Baby-6?ch=10&amp;oid=334719753&amp;share=2baef2ee&amp;srid=uiT0F3&amp;target_type=answer">https://www.quora.com/When-was-the-last-time-98-of-scientists-got-something-really-important-wrong/answer/Aravind-Baby-6?ch=10&amp;oid=334719753&amp;share=2baef2ee&amp;srid=uiT0F3&amp;target_type=answer</a>	When was the last time 98% of scientists got something really important wrong?	Aravind Baby	Quora
<a href="https://college.cengage.com/chemistry/intro/zumdahl/intro_chemistry/5e/students/protected/periodictables/index.html">https://college.cengage.com/chemistry/intro/zumdahl/intro_chemistry/5e/students/protected/periodictables/index.html</a>	Interactive Periodic Tables	Steven S Zumdahl	Cengage Learning
<a href="https://simbucket.com/chemthinkserver/chemthink/index.html?ib">https://simbucket.com/chemthinkserver/chemthink/index.html?ib</a>	Ionic Bonding Tutorial	ChemThink	SimBucket

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https://simbucket.com/chemthinkserver/chemthink/index.html?cb	Covalent Bonding Tutorial	ChemThink	SimBucket
https://phet.colorado.edu/sims/html/molecule-shapes/latest/molecule-shapes_all.html	Molecule Shapes	PhET Interactive Simulations	University of Colorado Boulder
https://phet.colorado.edu/sims/html/molecule-polarity/latest/molecule-polarity_all.html	Molecule Polarity	PhET Interactive Simulations	University of Colorado Boulder

<https://youtu.be> **Making a scatter graph and line of best fit with Google Sheets**

<https://youtu.be> **A Beginner's Guide to Graphing Data**