

## **Course: Chemistry (Regular and Honors)**

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Technology Support/Content: n/a

Week 1	Day 1	Day 2	Day 3	Day 4	Day 5
Lesson/Topic:	Radiation vs. Radioactive	Stoichiometry practice	Ideal Gas Law Review	Salts & Solubility	Atom Smashing!
					Particle acceleration
Resource:	Veritasium Playlist	PhET: Balancing Chemical	CrashCourse: Ideal Gas	Melissa Maribel:	CERN LHC Short video
		Equations	<u>Problems</u>	Solubility Table & Rules	CERN LHC Long video
Task:	Watch the 5 videos in	Explore the <i>Balancing</i>	Watch the video and	Watch the video and	Watch the video and
	sequence and write down	Chemical Equations	PAUSE to take notes on	PAUSE to take notes	PAUSE to take notes
	questions you may have	Introduction and	the different gas laws,	during the video.	during the video.
	regarding radioactive	simulation. Notice the	formulas, and people	Here is her <u>Solubility</u>	
	properties.	different goals: Make	they are named after.	Table	What do scientists hope
	Video List:	Ammonia, Separate Water,	Proceed to experiment	Proceed to experiment	to discover with the LHC
	1. <u>Radiation and</u>	and Combust Methane	with <u>PhET Gases here</u>	page with <u>PhET Salts &amp;</u>	(Large Hadron Collider)
	<u>Radioactive</u>	1) What are the	and attempt to	<u>Solubility</u>	at CERN?
	<u>Atoms.</u>	ns different ways that the	complete 10/20 of the	Proceed to the <u>quiz here</u>	What has already been
	2. What are Atoms		questions on <u>this</u>	for more practice.	discovered? Check out
	and Isotopes?	simulation indicates	worksheet.		this <u>CERN Website</u>
	3. <u>Types of</u>	when an equation is	Write your notes and		Recent news on the Atlas
	Radiation	balanced?	answers in your		experiment and the
	4. <u>How damaging is</u>		notebook or loose-leaf		Higgs Boson here.
	Radiation?	2) Is the number of total	paper and <b>show your</b>		Write some questions
	5. <u>Where does</u>	molecules on the left side	work.		for your teacher and
	Australia get	of a balanced equation			save for discussions next
	most of it's	always equal to the			week!
	power?	number of total			
		molecules on the right			
		side of the equation?			
		Explain your answer.			
Recommended	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour
Duration:					