Name		
How Many Proto	ns, Neutrons, and Electron	ns Are in Common Elements?
Go to:		
http://www.classzo	one.com/books/earth_science	ce/terc/content/investigations/es0501/es0501page0
<u>1.cfm</u>		
Step 1: Common E	<u>Elements</u>	
What are the comm	non elements in the pictures	9?
1.	2.	3.
4.	5.	6.
Step 2: Zoom in or	n a Penny	
	elements that a penny is com	nposed of?
	1 7	1
Step 3: Atomic Mo	<u>odels</u>	
List the three suba	tomic particles that make up	atoms. Give the mass and charge of each one.
Partic	ele Mass	Charge
1.		
2.		
3.		
Step 4: Build Aton	ns Yourself	
1. How many e	electrons can fall in the first	shell? second?
		ticles are used in the atom?
		atomic number?
Step 5: Build More	e Atoms	
1. If the nucleu	is of an atom were the size of	of a basketball, where would the nearest electron
shell be?		
2. Which partie	cle controls what element ar	n atom is?
3. What do you	a get when you change the r	number of neutrons in the nucleus?
4. Try to cluste	er the electrons together or r	nove them into another level. Describe the
behavior of	the model electrons.	
Step 6: Reading th		
	stions below click on the lin	nk at the bottom of page 6 and click on the
specific element		
1. How much of	does a ton of oxygen approx	imately cost?
2. When was n	eon discovered?	<u></u>
	was aluminum called?	
	symbol for iron?	
5. What is the	term used to express the am	ount of gold present?