PeriodPeriodic Table of Elements										
	1							18		
1		2	13	14	15	16	17			
2										
3										
4										
5										
6										
U	Use the following clues to determine where each of the letters would appear on the periodic table. 1. A is an alkaline earth metal who has one less proton than neutrons. 2. B is a period 3 element which contains 4 electrons in the outer shell. 3. C is a group 1 metal that is slightly more reactive than L. 4. D is a gas that needs one more electron to fill its outer shell. 5. E is in group 15 period 4. 6. F is a noble gas you can buy at the school store. 7. G is a gas which is the main gas in the atmosphere. 8. H has twice the atomic mass and atomic number as bb and is found in the same group as bb. 9. I has an electron configuration that ends with 5p ⁴ . 10. J is explosive in balloons. 11. K contains 50 neutrons. 12. M is in group 13 and is slightly larger than cc. 13. N has higher electronegativity than A and is in the same period as A. 14. O is one of two elements having 16 neutrons. 15. P is the largest atom in tramily 15. 16. Q has the lowest electronegativity in his family which also contains N and M. 17. R has an uncertain atomic mass in group 16. 8. S is a noble gas in the same period as K. 19. T has 6 electrons in its outer shell. 20. U is an element which burns with a bright white flame. 21. V is a noble gas found at many pizza places. 22. W's atomic radius is bigger than C but less than X. C, W, and X are in the same family 23. Y is the least reactive solid alkali metal. 24. Z is an element with a higher atomic mass than the element with higher atomic number. 25. aa is the most reactive nonmetal. 26. bb is needed for life. 27. cc is an element used for leftovers. 28. dd is produced when sulfuric acid is added to sugar. 29. ee is the largest halogen solid. 30. If has seven electrons the outer shell. 31. gg brings good things to life. 32. hh has one less proton than ii which has one less proton than ji. 33. kk is a liquid halogen. 34. Il is dangerous for superman. 35. mm is good for teeth and bones.									

oo is a nobel gas you don't want in your basement. pp - If you are not done by now get this out!!!

UNIT 2 TEST REVIEW

Name:_

37.

38.

1. Isotope	A. An average of all the isotopes; the mass of average atom.	How many valence electrons?			
2. Atomic mass	B. An atom with an equal number of electrons and protons.	Helium ()			
3. Atomic #	C. An atom with more or less electrons than protons.	Calcium () Sulfur ()	The state of the s		
Neutral atom Ion	D. A variation of an element with a different number of neutrons. E. Total number of protons and neutrons	Calcium andhave the same reactivity. Oxygen andhave the same reactivity. Helium andhave the same reactivity.			
6. Mass #	in the nucleus. F. Number of protons; determines the element.	Bohr Dalton	A. Discovered that atoms have a nucleus. B. Realized that there was a smallest part of matter.		
Metal or Non-met		3. Democritus	C. Discovered that electrons are in distinct		
Titanium (orbits.		
Sodium (4. Rutherford	D. Discovered the electron.		
Chlorine (5. Thompson	E. Theorized that atoms cannot be changed chemically.		
8 protons and 10 e 16 protons and 18 20 protons and ele	electrons. Neutral atom or ion?	A 35 N object feels like 30 N when lowered into a liquid. How much b force does the liquid give?			
	bbreviation and charge. electrons: Element: Charge:	If put into a more v liquid, the object would feel even lighter.			
SARA TANAN SARA SARA SARA SARA SARA SARA SARA	electrons: Element: Charge:				
Nitrogen with 10 e	electrons. Charge:	"Atoms are solid." Respond and give reasons for your response.			
F)($\stackrel{F}{\longrightarrow}$ Be $\stackrel{H}{\bigcirc}$				
		Are these different elements? Element A: 17 protons; 18 electrons; 16 neutrons. Element B: 18 protons; 18 electrons; 18 neutrons. Why?			
What is wrong wi picture of an atom		Are these different isotopes of one another? Element A: 12 protons; 11 electrons; 13 neutrons. Element B: 12 protons; 12 electrons; 14 neutrons. Why? Are these different isotopes of one another? Element A: 18 protons; 18 electrons; 18 neutrons. Element B: 19 protons; 18 electrons; 19 neutrons. Why?			
	Element: # of neutrons: Mass #: # of electrons: # of valence electrons:	Calcium () is in electron levels and Sulfur () is in	in row Calcium has complete d valence electrons in level n row Argon has complete d valence electrons in level		
	It is an ion?	and to vers and			