Name:	Date:
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ELEMENT NAME	ATOMIC NUMBER	MASS NUMBER	STANDARD ATOMIC Notation	NUMBER OF PROTONS	NUMBER OF ELECTRONS	NUMBER OF NEUTRONS
ALUMINUM						
			$^{40}_{18}Ar$			
	4					
				5		
		40				
CARBON						
						20
		19				
					2	
						0
	3					
				12		
NEON						
	7					
						8
		31				
				16		
					14	
					17	
SODIUM						

## **LEWIS STRUCTURES (Electron Dot Diagrams)**

Name:		_ Date:			
Lewis structures are atom or ion.	a simplified model of the ato	om. They <u>only</u> show the v	ralence electrons of the		
<ul><li>E.g. Lithium atom</li><li>Visualize the sym</li></ul>	s used to represent the nuc (1 valence electron) bol having four sides. s are placed as dots on the		Li•		
Examples:					
Nitrogen (5 valend	Atom e electrons)	Nitrogen Ion (8 valence electrons)			
·Ņ	•	:N:			
Try these: Draw the	Lewis Structure for the follo	wing atom or ion:			
1) Chlorine	2) Chlorine Ion	3) Hydrogen	4) Oxygen		
5) Oxygen lon	3) Aluminum	4) Aluminum Ion	5) Magnesium		
6) Magnesium Ion	7) Phosphorous	8) Phosphorus ion	9) Argon		