Period				
HW 19				
Chemistry				
Dr. Hinz				
1) Arrange these elements in order of decreasing atomic size: sulfur, chlorine, aluminum, and sodium. Does your arrangement demonstrate a periodic trend or a group trend?				
2) Write the name and electron configuration for the following elements: a) the noble gas in period 3				
b) the metalloid in period 3				
c) the alkali earth metal in period 4				
3) Which element in each pair has atoms with a larger atomic radius?				
a) sodium and lithium				
b) germanium or selenium				
c) fluorine or bromine				

Name _____

d) ces	ium or lead		
	at have a charge are called while a negativel 	•	•
	e whether each element is like narged atom. Also determine	•	, -
Element	Group Name (if applicable)	Type of ion	Magnitude of Charge
Li	Alkali Metal	Positive	+1
Cl			
Ва			
0			
Na			
a) a s- b) a d- c) a f-	example of each of the follow block element block element block element	wing:	
d) a p-	block element		
e) a no	on-metal that is a gas at room	temperature	
f) a mo	etal that is a solid at room ter	mperature	
g) a m	etalloid		
h) an e	element that touches the zigz	ag line that is N(OT a metalloid

i) a metal that is liquid at room temperature _____