Name	Date _		Per	_
Answer on notebook 1	n Configuration Worksheet paper: copy questions; if e-confind e-configuration. Use your bo			points = $\overline{48}$ pts.
Relating Electron Configurations to the Periodic Table				
a. 3 b. 11 c. 19 d. What, a e. What w f. Where g. What a	if anything, do these electron corvould you expect about the relationare these atoms located in the peare the names and symbols of the configurations for atoms that ha	nfigurations have ve properties of eriodic table? se atoms?	e in common? these elements?	
e. What v	if anything, do these electron cor would you expect about the relati are these atoms located in the pe	ve properties of		
<ul><li>3. What is the ma</li><li>4. How many sul</li><li>5. How many ele</li><li>6. Which of the f</li></ul>	are the names and symbols of the aximum number of electrons that olevels are there in the third energetrons can occupy any single orbitallowing show the correct order	can occupy the gy level? oital? of filling?	-	1?
<ul> <li>a. 1s2s2p</li> <li>b. 1s2s2p</li> <li>c. 1s2s3s</li> <li>7. Write the nam</li> <li>a. 1s<sup>2</sup>2s<sup>2</sup>2</li> <li>b. 1s<sup>2</sup>2s<sup>2</sup>2</li> </ul>	3s3p e of the element represented by e	e. f. each of the follo c.	1s2s2p3s3p4s 1s2s2p3p3d4s 1s2s2p3s3p4s4p wing configuration 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup> 4s 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>4</sup>	s. <sup>2</sup> 3d <sup>10</sup> 4p <sup>1</sup>
8. Write the elect a. Alumin b. Iron	tron configuration for each of the	e following elem admium arbon	e. f.	Barium Iodine
a. Li b. N  10. What four lette 11. What is the ma 12. How many sul 13. How many ort 14. What is the ma 15. Which subleve	c. Be d. O  ers are used to represent the suble eximum number of electrons that olevels are possible in the third exitals are there in an f sublevel?  eximum number of electrons that el may contain a maximum of three desired in the electrons that	e. f. evels within a present may occupy on nergy level? can occupy a deep pairs of elect	B F rincipal energy level ae orbital? sublevel? crons?	g. C h. Ne el?
a. potassi b. Radiun c. Sodiun	n	d.	nents.  Mercury  Tin  Krypton	