

Electron Configurations

Name _____

Date _____ Per _____

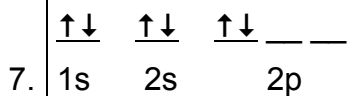
PART A – ORBITAL BOX NOTATION AND NOBLE GAS ELECTRON CONFIGURATION

Use the patterns within the periodic table to write the noble gas electron configuration and draw orbital box notations for the following elements.

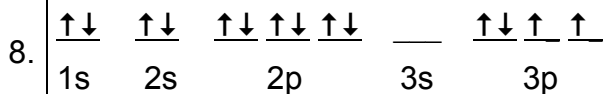
	Symbol	Noble Gas Electron Configuration	Orbital Box Notation
1.	Mg		
2.	P		
3.	V		
4.	Ge		
5.	Kr		
6.	O		

PART B – RULES OF ELECTRON CONFIGURATIONS

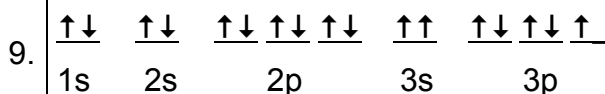
What is “wrong” with each electron configuration below? Explain your answer for each.



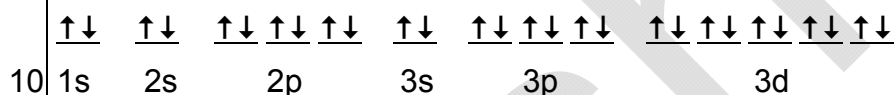
Explanation: _____



Explanation: _____



Explanation: _____



Explanation: _____