

Name _____ Period _____ Date _____

Electron Configuration – Ch. 4

PART A – ORBITAL DIAGRAMS & LONGHAND ELECTRON CONFIGURATION

Use the patterns within the periodic table to draw orbital diagrams and write longhand electron configurations for the following atoms.

	Symbol	# e ⁻	Orbital Diagram and Longhand Electron Configuration
1.	Mg		
2.	P		
3.	V		
4.	Ge		

PART B – SHORTHAND ELECTRON CONFIGURATION

Use the patterns within the periodic table to write the shorthand electron configurations for the following elements.

	Symbol	# e ⁻	Shorthand Electron Configuration
5.	Ca		
6.	Pb		
7.	F		
8.	Pd		