

Summary: The Quantum Mechanical Model

Principal Energy Level (n)	# of Sublevels	Total # of Orbitals Present				Total # of Orbitals	Max # of e ⁻
		s	p	d	f		

**To be filled in during class!
(numbers will go in each box)**

Exceptions to the Aufbau Principle: Copper

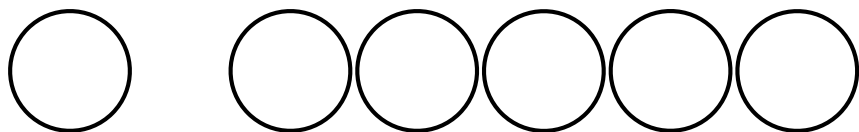
Write the electron configuration for copper using noble gas notation.

Cu

**To be completed in class!
(leave space on the right and 2-3 lines below)**

4s

3d



Exceptions to the Aufbau Principle: Chromium

Write the electron configuration for chromium using noble gas notation.

Cr

**To be completed in class!
(leave space on the right and 2-3 lines below)**

4s

3d

