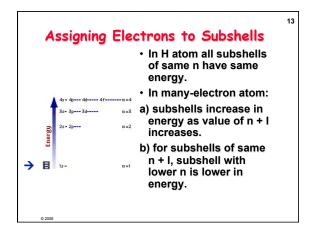
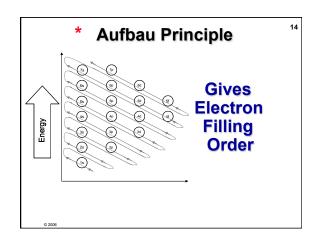
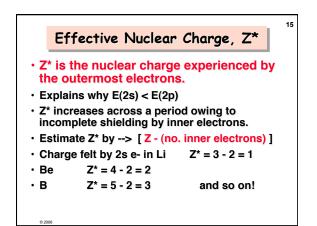
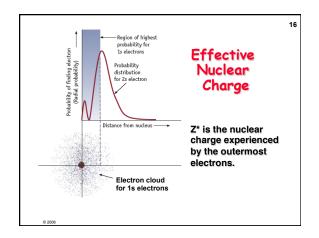


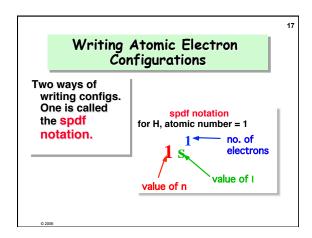
Chapter 8 — Configurations — Part 1

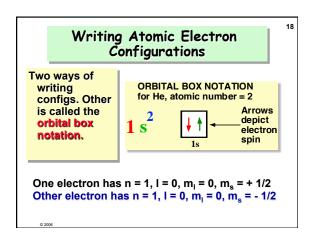


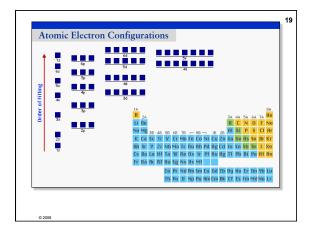


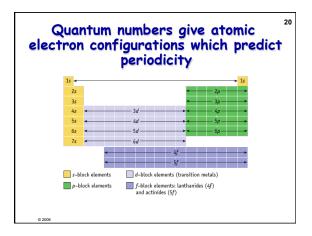


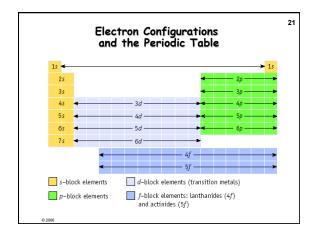


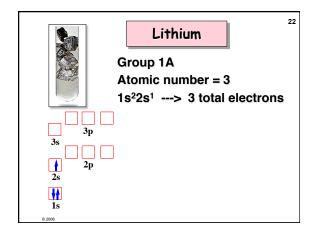


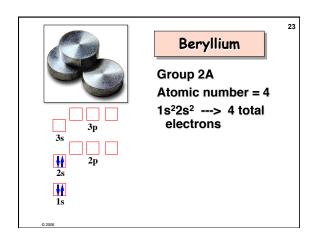


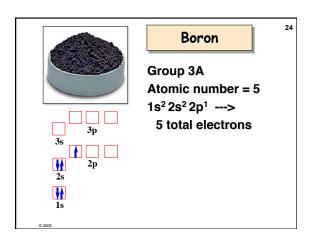


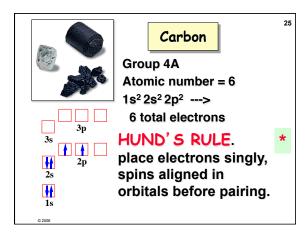


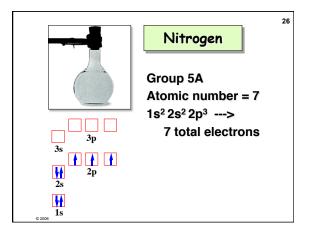


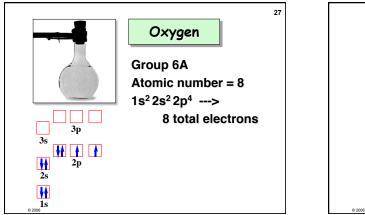


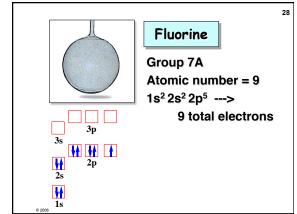


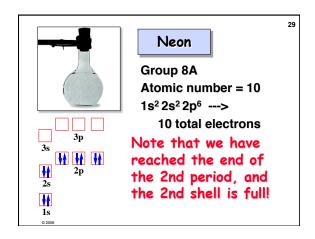


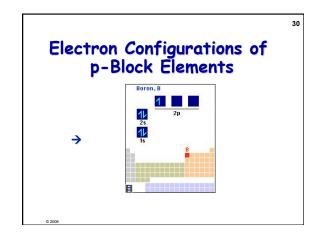


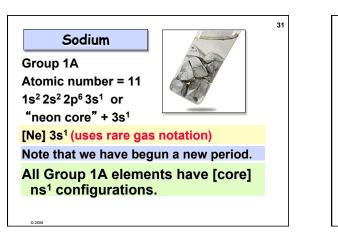


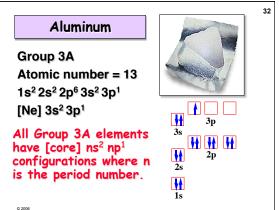


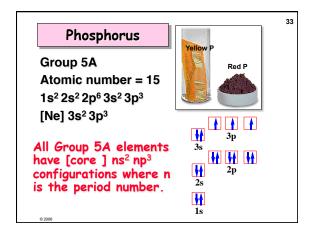


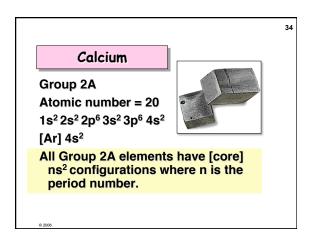


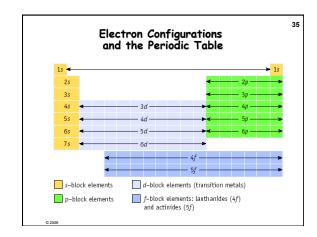


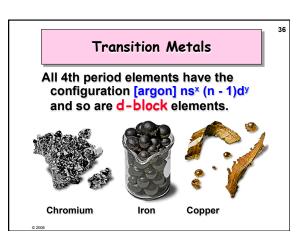


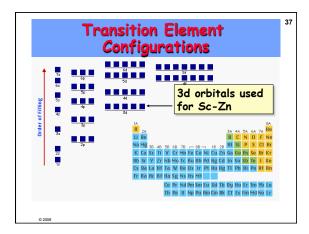




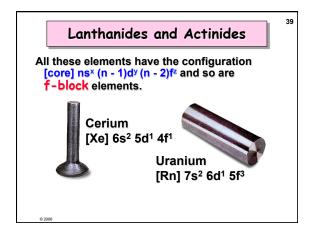


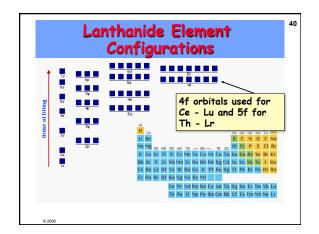


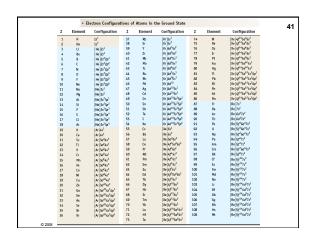


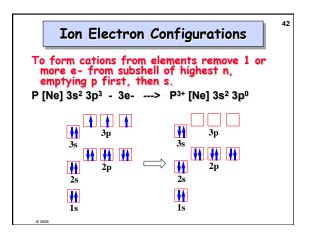


Orbital Box Diagrams for the Elements Ca Through Zn			
		3 <i>d</i>	4s
Ca	[Ar]4s ²		↑↓
Sc	[Ar]3d ¹ 4s ²	1	↑↓
Ti	[Ar]3d ² 4s ²		↑↓
v	[Ar]3d ³ 4s ²	$\uparrow \uparrow \uparrow \downarrow$	↑↓
Cr*	[Ar]3d ⁵ 4s ¹	$\uparrow \uparrow \uparrow \uparrow \uparrow$	↑
Mn	[Ar]3d ⁵ 4s ²	$\uparrow \uparrow \uparrow \uparrow \uparrow$	↑↓
Fe	[Ar]3d ⁶ 4s ²	$[\uparrow\downarrow\uparrow\uparrow\uparrow\uparrow\uparrow\uparrow]$	ît↓
Co	[Ar]3d ⁷ 4s ²	$\uparrow \downarrow \uparrow \downarrow \uparrow \uparrow \uparrow$	↑↓
Ni	[Ar]3d ⁸ 4s ²	$[\uparrow\downarrow\uparrow]\uparrow\downarrow\uparrow\uparrow\uparrow]$	ſ↓
Cu*	[Ar]3d ¹⁰ 4s ¹		\uparrow
Zn	[Ar]3d ¹⁰ 4s ²		↑↓









7

