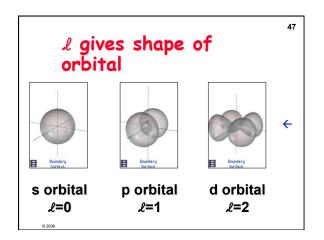
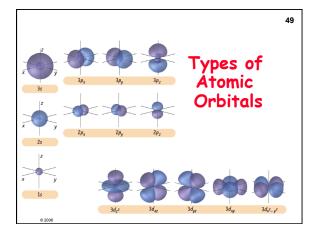
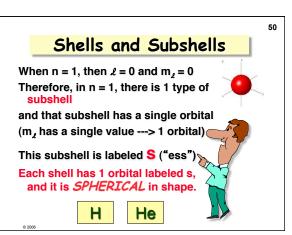


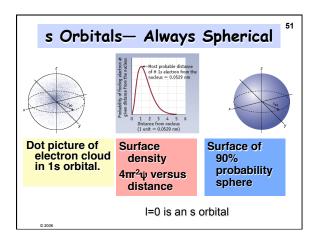
QUAN	TU	M NUMBERS	46
The <mark>shape, size,</mark> function of 3 q		energy of each orbital is a um numbers:	
<mark>n</mark> (major)	>	shell (1,2,3,4,5,6,7,)	
ℓ (angular) momentum	>	subshell (shape)	
<mark>m</mark> ℓ (magnetic)>		designates an orbital within a subshell (orientation)	
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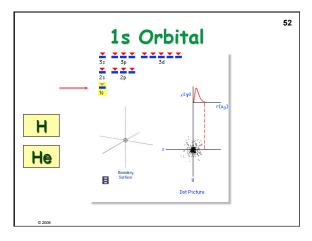


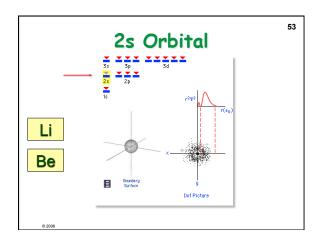
	QUANTUM NUMBER	8
Symbol	Allowed values	Description
n (major)	1, 2, 3, wher	Orbital size and energy e E = -B/n ²)
ℓ (angular)	0, 1, 2, n-1	Orbital shape or type (subshell)
m ₂ (magnetic)	- <i>l</i> 0+ <i>l</i>	Orbital orientation
#	of orbitals in sub	shell = 2 <i>ℓ</i> + 1

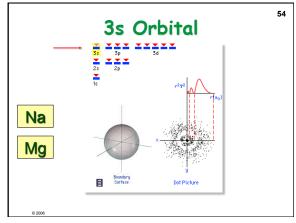












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Chapter 7 — Atoms — Part 1

