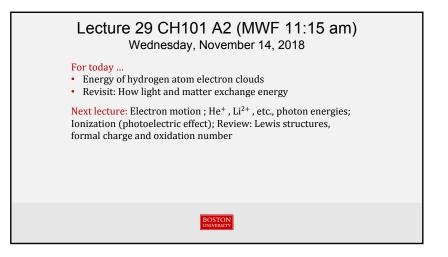
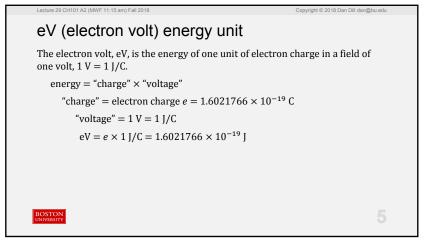
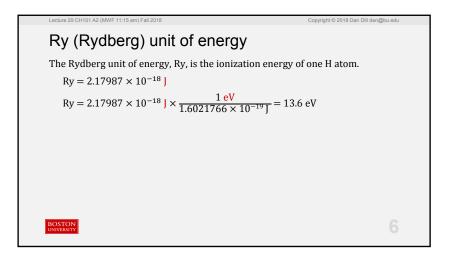
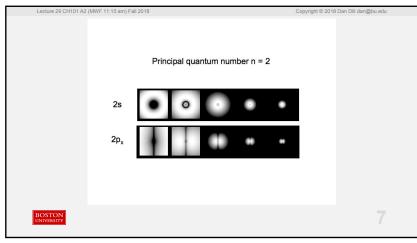
Lecture 29	CH101 /	A2 (MWF 11:15 am) Fall 2018	Copyright © 2018 Dan Dill dan@bt	ı.edu
[ <b>TP</b> ]	Wha	at electron cloud has 3 radial loops and 1	nodal plane?	
10%	1.	1s		
10%	2.	2s		
10%	3.	2p		
10%	4.	3s		
10%	5.	3p		
10%	6.	3d		
10%	7.	4s		
10%	8.	4p		
10%	9.	4d		
10%	10.	None of the above		
BOSTON				

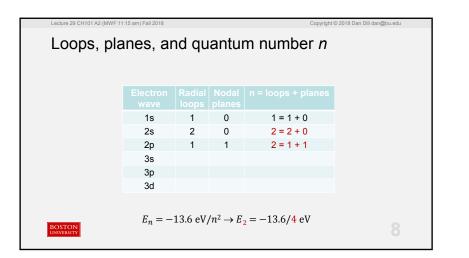


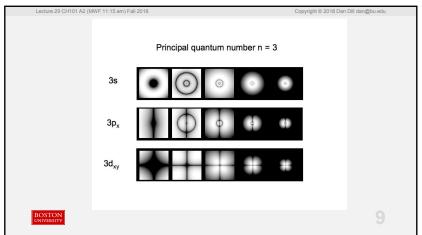
Lecture 29 CH101 A2 (MWF 11		nd qu	antui	Copyright M number <i>n</i>	© 2018 Dan Dill dan@bu.edu
	1s	1	0	1 = 1 + 0	
	2s				
	2p				
	3s				
	Зр				
	3d				
BOSTON	$E_n = -$	–13.6 eV	$1/n^2 \rightarrow 1$	$E_1 = -13.6 \text{ eV}$	4



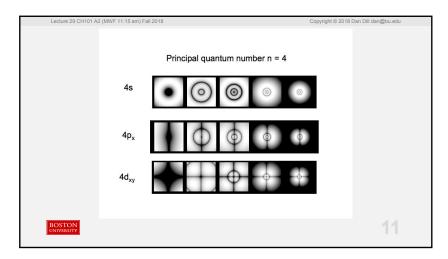








Lecture 29 CH101 A2 (MWF 11	Lecture 29 CH101 A2 (MWF 11:15 am) Fall 2018 Cop					
Loops, planes, and quantum number <i>n</i>						
	wave		planes	4 4 9 0		
	1s	1	0	1 = 1 + 0		
	2s	2	0	2 = 2 + 0		
	2р	1	1	2 = 1 + 1		
	3s	3	0	3 = 3 + 0		
	Зр	2	1	3 = 2 + 1		
	3d	1	2	3 = 1 + 2		
BOSTON UNIVERSITY	$E_n = -2$	13.6 eV,	$/n^2 \rightarrow E_{\pm}$	$_{3} = -13.6/9 \text{ eV}$	10	



Lecture 29 CH101 A2 (MWF 11:15 am) Fail 2018	Copyright © 2018 Dan Dill dan@bu.edu
[TP] What electron cloud has 3 radial loops and	1 nodal plane?
10% 1. 1s	
10% 2. 2s	
10% 3. 2p	
10% 4. 3s	
10% 5. 3p	
10% 6. 3d	
10% 7. 4s	
10% 8. 4p	
10% 9. 4d	
10% 10. None of the above	
BOSTON UNIVERSITY	

