


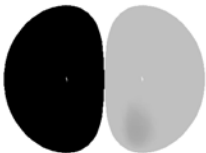
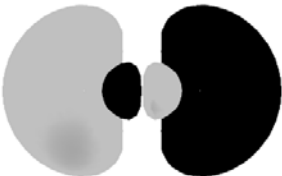
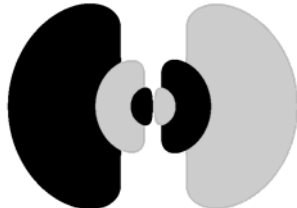

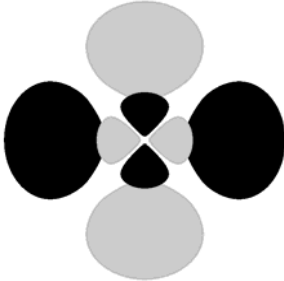
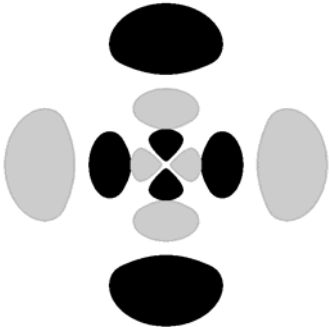


Name _____

1. Complete the tables below

Orbital Name	1s	2s	3s
n	1	2	3
<i>l</i>	0	0	0
# angular nodes	0	0	0
# radial nodes	0	1	2
Sketch of Orbital (cross section)			

Orbital Name	2p	3p	4p
n	2	3	4
<i>l</i>	1	1	1
# angular nodes	1	1	1
# radial nodes	0	1	2
Sketch of Orbital (cross section)			

Orbital Name	3d	4d	5d
n	3	4	5
<i>l</i>	2	2	2
# angular nodes	2	2	2
# radial nodes	0	1	2
Sketch of Orbital (cross section)			

Sketch the cross-section of a 6s orbital below.

