

## Today

- 1) PICKLE
- 2) HW CHECK (tiger)
- 3) QO 12
- 4) 12 MINUTE LESSON
- 5) finish video

Purpose: How to draw  
modern e<sup>-</sup>  
configurations.

# MEMORIZE

1s

2s 2p

3s 3p 3d

4s 4p 4d 4f

5s 5p 5d 5f

## 2) ORBITAL SHAPES:



## 3) How MANY electrons fit in each orbital

S  
holds  
 $2e^-$

P  
holds  
 $6e^-$

d  
holds  
 $10e^-$

f  
holds  
 $14e^-$

## 4) 90% PROBABILITY

that an electron is inside  
the orbital