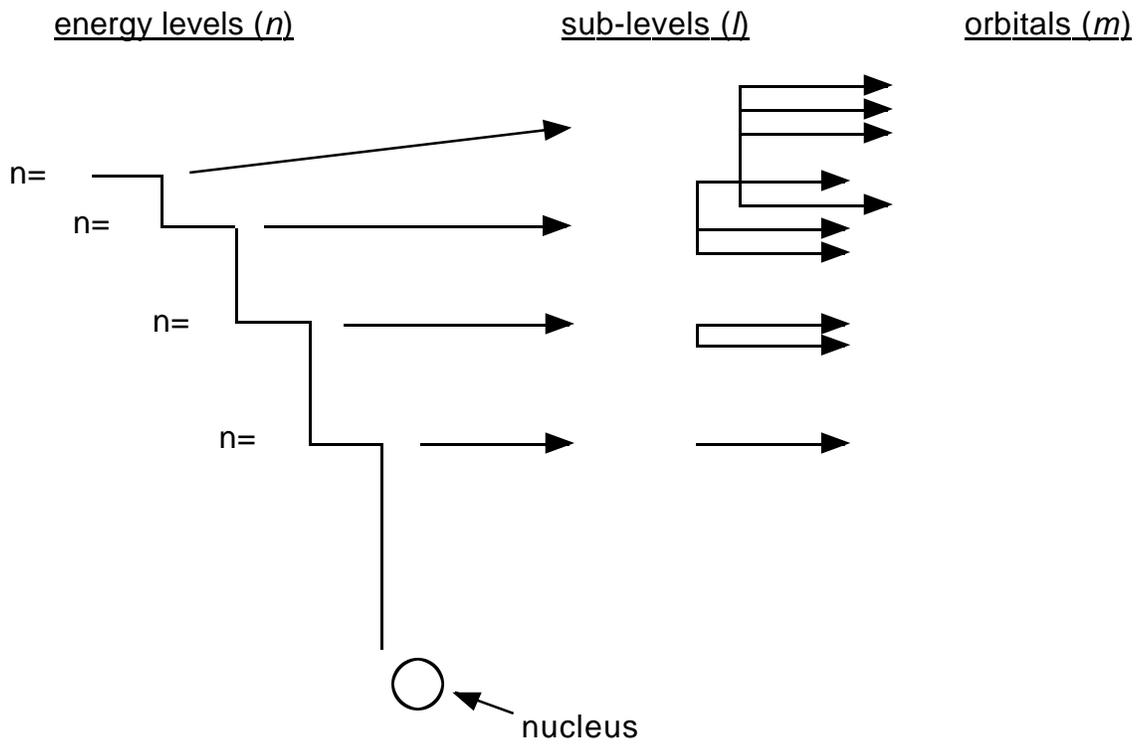


Quantum Theory
Orbital Filling Review Assignment



Write the order of orbital filling for an atom's electrons through energy level 7

What is the shape of the following orbitals and how many of them are there in each sublevel?

s-

p-

How do the p orbitals orient to each other and why?

Draw the orbital filling diagrams for the following atoms.

Lithium

Boron

Chlorine

Calcium

Iron

Silver

Tin