**Quantum Mechanical Model Worksheet**

**Chemistry**

1. How many electrons can be in the same orbital?
2. How many orbitals are in a f sublevel?
3. How many orbitals are in the 1st principal energy level?
4. What is the maximum number of electrons in a d sublevel?
5. What is the maximum number of electrons in the 2nd principal energy level?
6. How many sublevels are in the 3rd principal energy level?
7. How many orbitals are in the 4th principal energy level?
8. List the sublevels of the 4th principal energy level.
9. How many orbitals are in a d sublevel?
10. What is the maximum number of electrons in a p sublevel?
11. How many orbitals are in the 2nd principal energy level?
12. List the sublevels of the 3rd principal energy level.
13. What is the maximum number of electrons in the 1st principal energy level?
14. What is the maximum number of electrons in the 4th principal energy level?
15. How many sublevels are in the 2nd principal energy level?