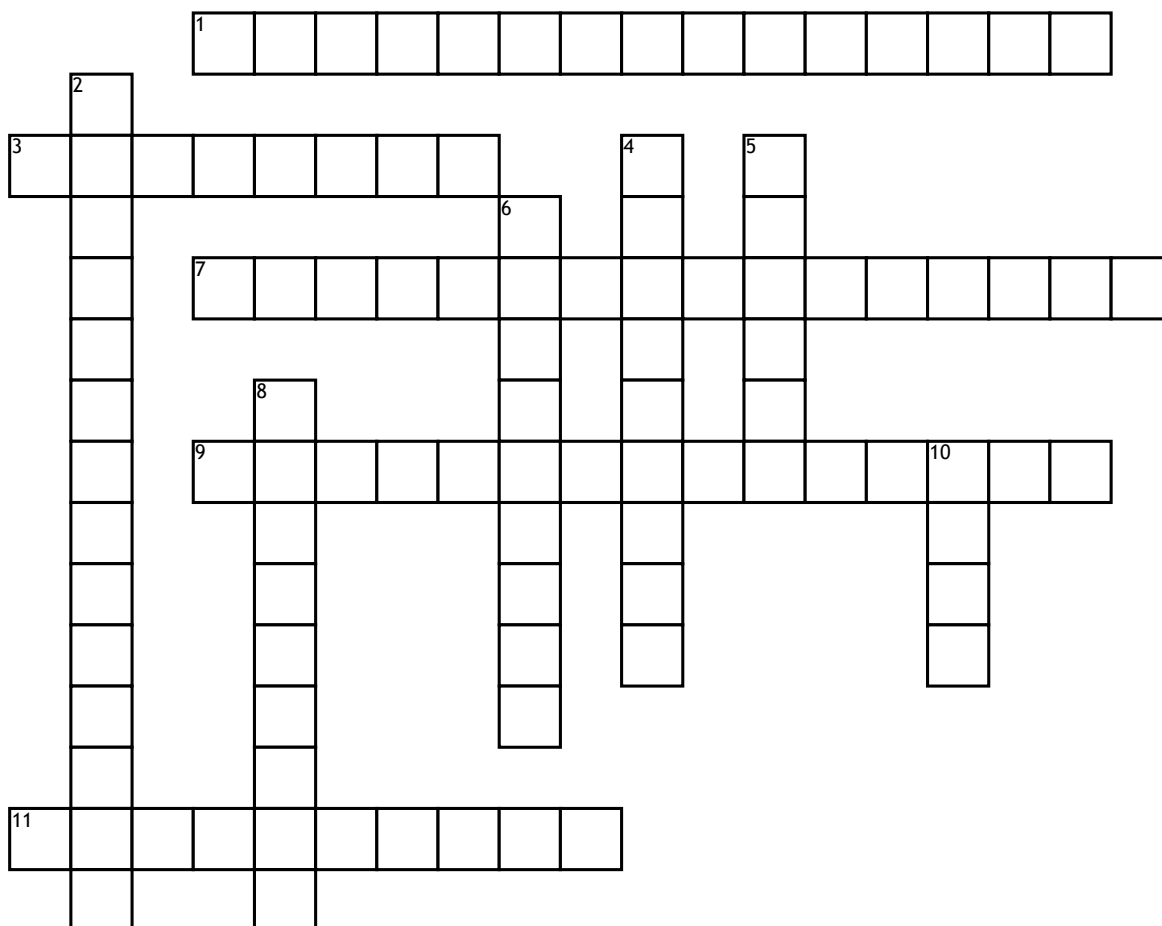


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Atomic Structure Vocabulary



## Across

1. The quantum mechanical principle that states that two identical fermions cannot occupy the same quantum state simultaneously. Missing "Exclusion"
3. of or relating to an orbit
7. The distribution of electrons of an atom or molecule in atomic or molecular orbitals. Missing "Configuration"
9. states that, hypothetically, electrons orbiting one or more atoms fill the lowest available energy levels before filling higher levels
11. The length of a wave

## Down

2. representation of an orbital
4. every orbital in a subshell is singly occupied with one electron before any one orbital is doubly occupied, and all electrons in singly occupied orbitals have the same spin.
5. a quantum of electromagnetic radiation, usually considered as an elementary particle that is its own antiparticle and that has zero rest mass and charge and a spin of one
6. rate of occurrence
8. a drift, dug through ore, into which overlying material, especially from an upper layer of ore, is caved.
10. picture element