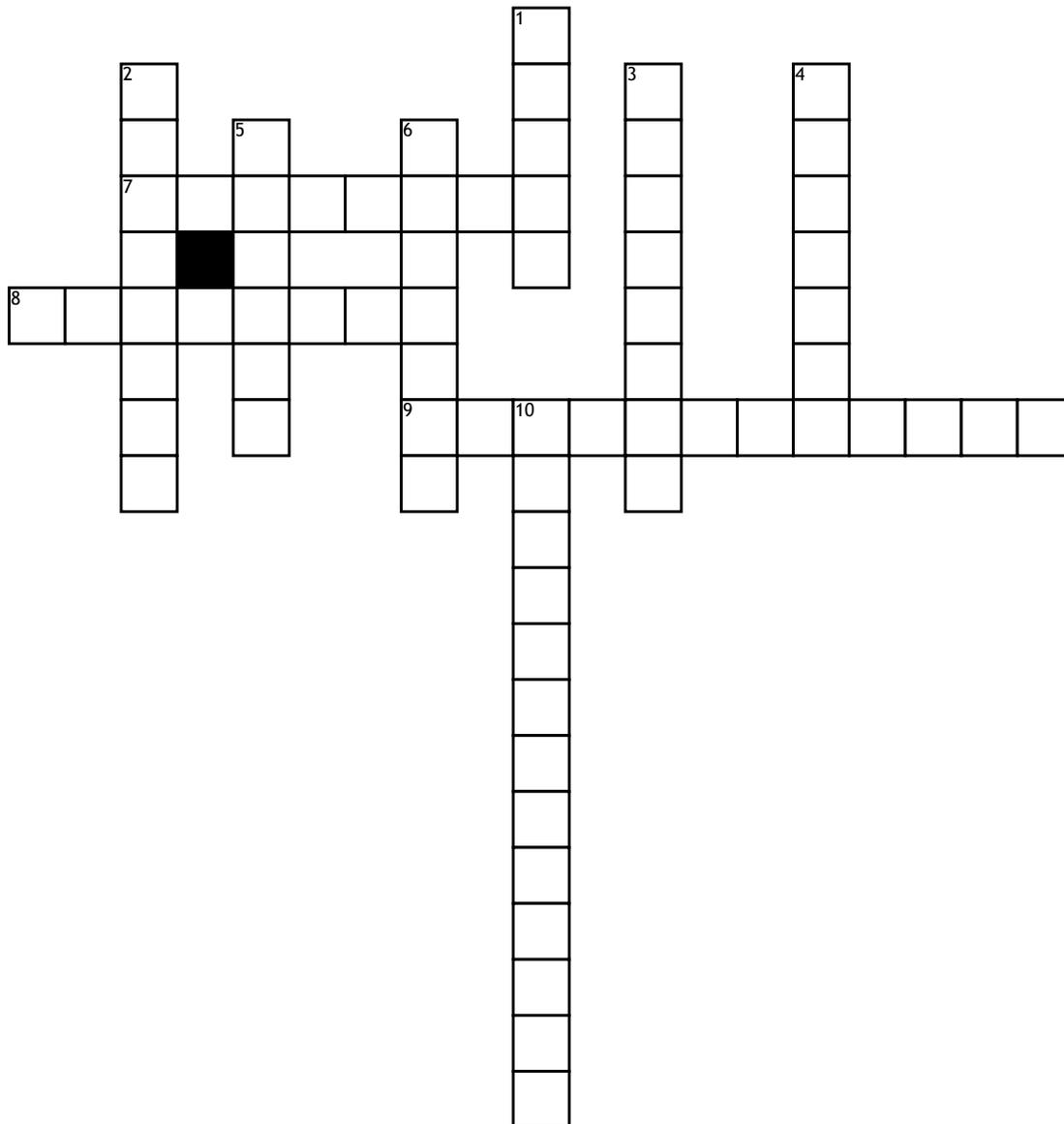


Study Tool



Across

7. Model of atom developed by Niels Bohr
8. Characteristic signal from total collection of photons emitted by given atom used to identify chemical elements in material
9. Study of emission and absorption spectra of materials in order to discover chemical make up of a material

Down

1. Building Block for all Matter; Smallest sample of an element

2. Elements listed in the far right hand columns of periodic table
3. Material made from a single type of atom that can't be broken down chemically any further
4. Center of the atom made up of protons and neutrons
5. Particle like unit of light
6. The hypothesis that for each chemical element there is a corresponding species of invisible objects called atoms
10. All energy levels of an atom above the ground state