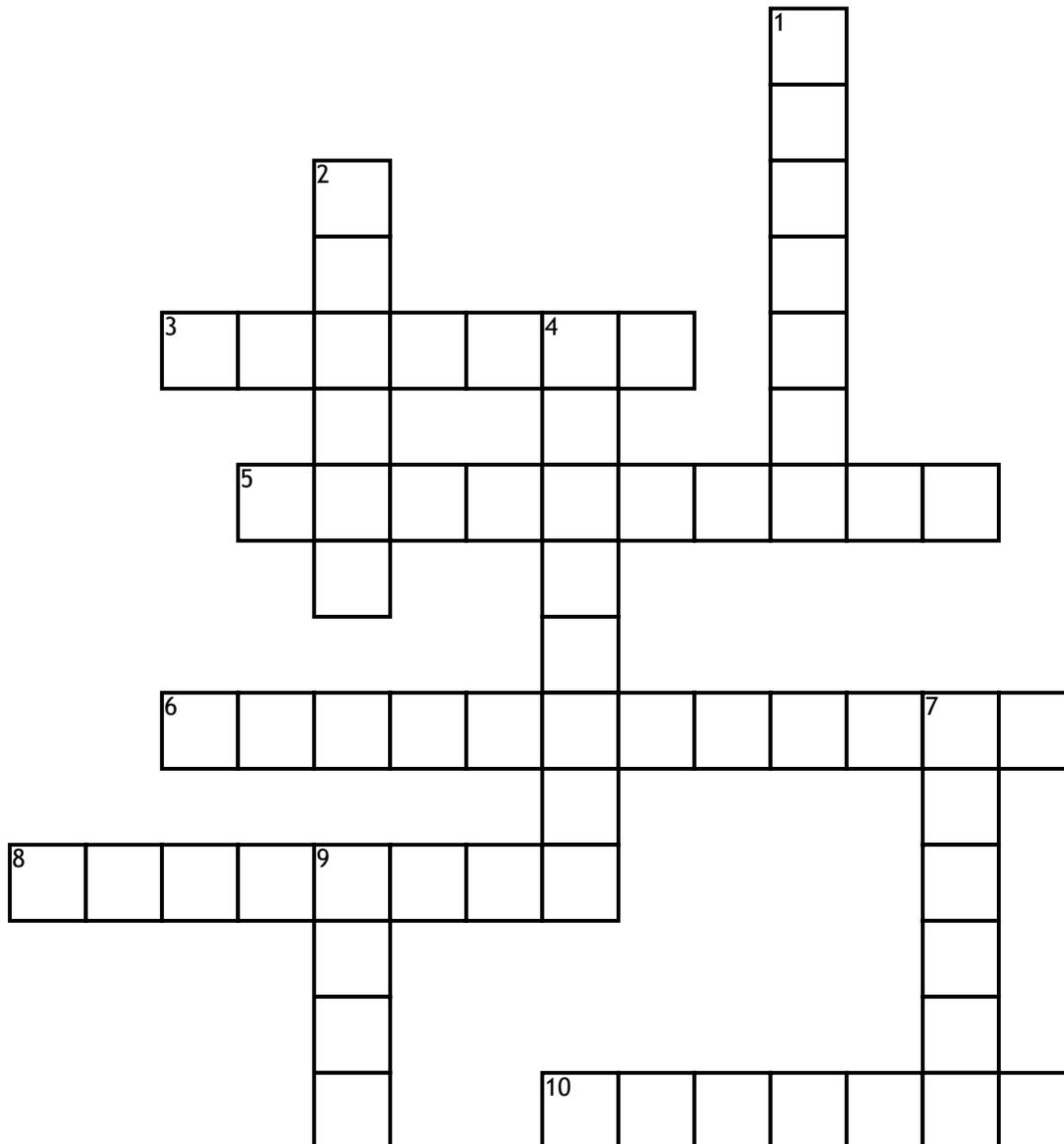


Name: _____

Date: _____

The Atom



Across

3. A hypothesis for each chemical element there is a corresponding species of invisible objects called atoms
5. elements listed at the righthand column of the periodic table
6. Study of emission and absorption spectra of materials
8. A model of an atom
10. Material made up of a single atom

Down

1. Very small compact object at the center of an atom
2. On of the two primary building blocks of a nucleus
4. Characteristic signal from the total collection of photons
7. A particle like unit of light
9. Fundamental building blocks of all matter