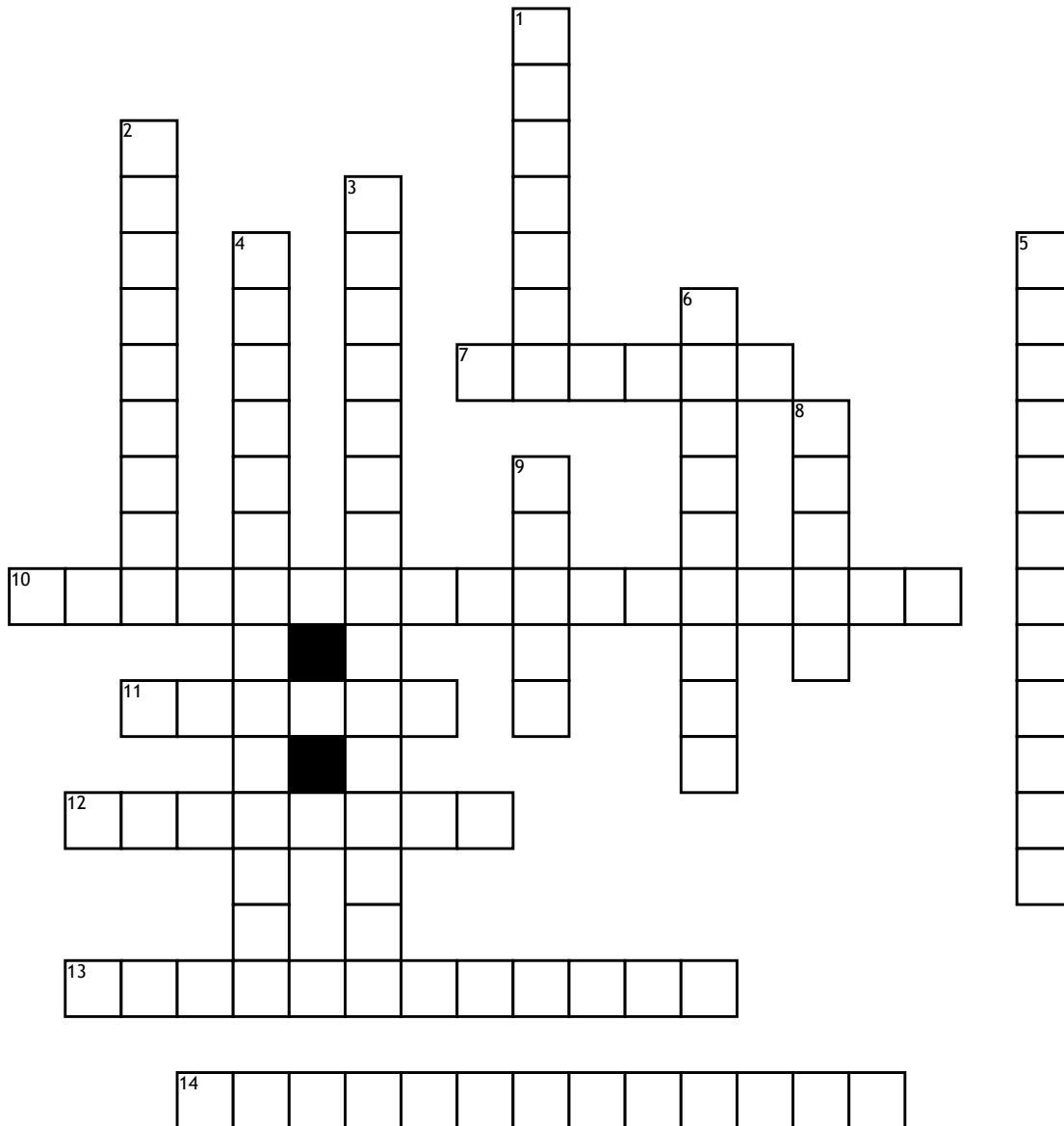


# Unit 7: Lesson 3 - Periodic Table



**Across**

- 7. a set of elements occupying an entire horizontal row in the periodic table
- 10. the sum of the masses of its isotopes, each multiplied by its natural abundance
- 11. a gentle sheen or soft glow, especially that of a partly reflective surface
- 12. an element or substance that is not a metal
- 13. the temperature at which a liquid boils and turns to vapor

- 14. a table of the chemical elements arranged in order of atomic number, usually in rows, so that elements with similar atomic structure (and hence similar chemical properties) appear in vertical columns

**Down**

- 1. able to be drawn out into a thin wire
- 2. able to be hammered or pressed permanently out of shape without breaking or cracking
- 3. an electron that is associated with an atom, and that can participate in the formation of a chemical bond; in a single covalent bond, both atoms in the bond contribute one valence electron in order to form a shared pair
- 4. an abbreviation or short representation of a chemical element; the symbols in the periodic table
- 5. the temperature at which a given solid will melt
- 6. a material or device that conducts or transmits heat, electricity, or sound, especially when regarded in terms of its capacity to do this
- 8. a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity
- 9. a column of elements in the periodic table of the chemical elements