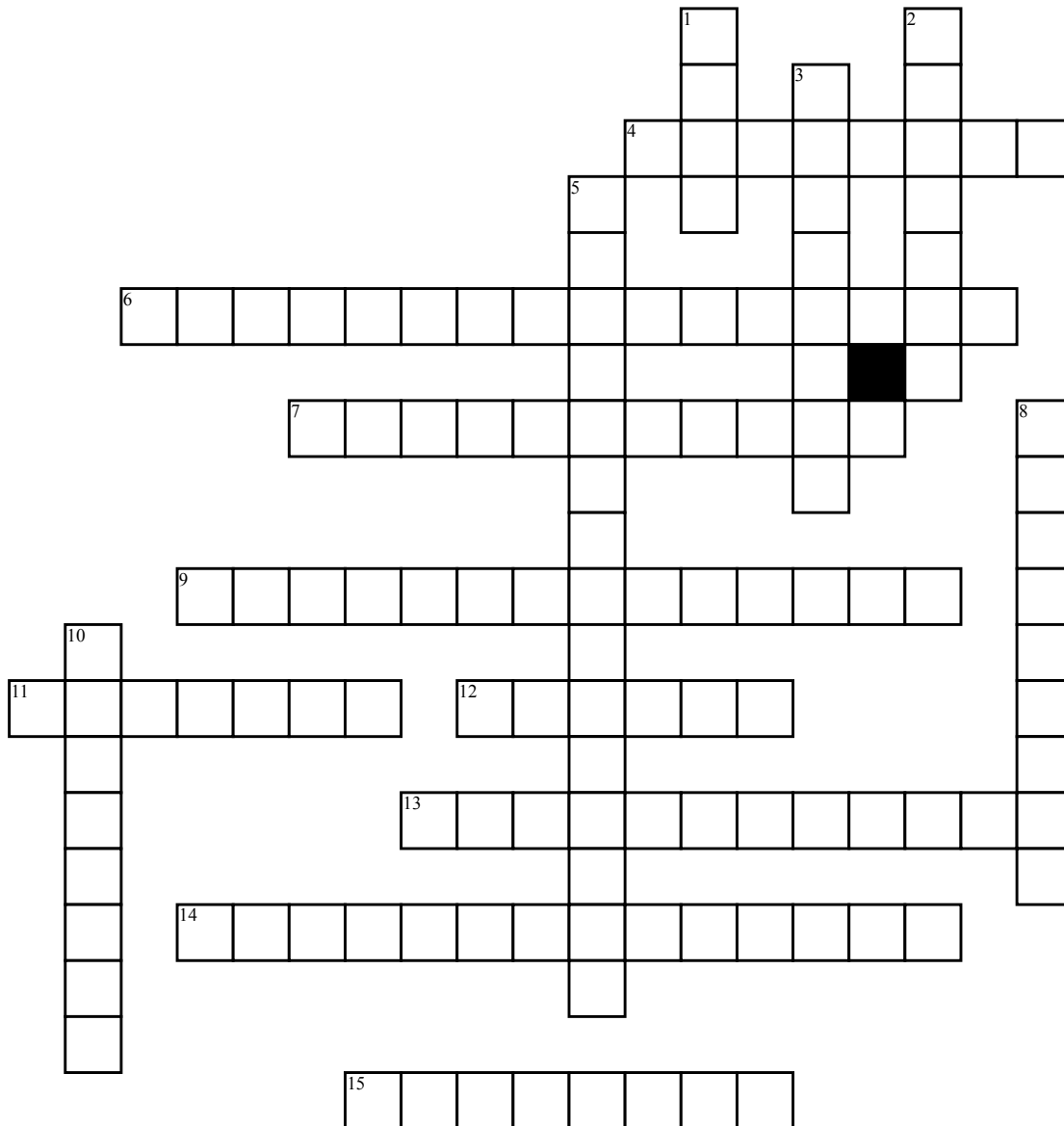


# Matter



**Across**

- 4. a group of two or more atoms held together by a chemical bond
- 6. A way to show a chemical reaction using symbols instead of words/tells you the reactants or substances you start within a reaction and the products or new substances that are formed at the end
- 7. A number placed in front of a chemical formula in an equation/tells you the amount of a reactant or product in the reaction
- 9. change in matter that produces one or more new substances

- 11. a substance that cannot be broken down into any other substance by physical or chemical means
- 12. Very small particle inside the atom's nucleus/has a positive electrical charge
- 13. An electrical force of attraction between two atoms
- 14. any change that alters the form or appearance of a substance but does not change it to another substance EX: tearing or crumpling paper
- 15. the new substance that forms from a chemical change

**Down**

- 1. Smallest unit of an element/basic building blocks of matter
- 2. Small particle inside an atom's nucleus that is negative electrically charged
- 3. Substances that undergo a chemical change
- 5. Represent compounds
- 8. Substances made of two or more elements that combine chemically in a set ratio
- 10. Found outside the nucleus/small negatively charged particle that moves around the outer sphere of an atom