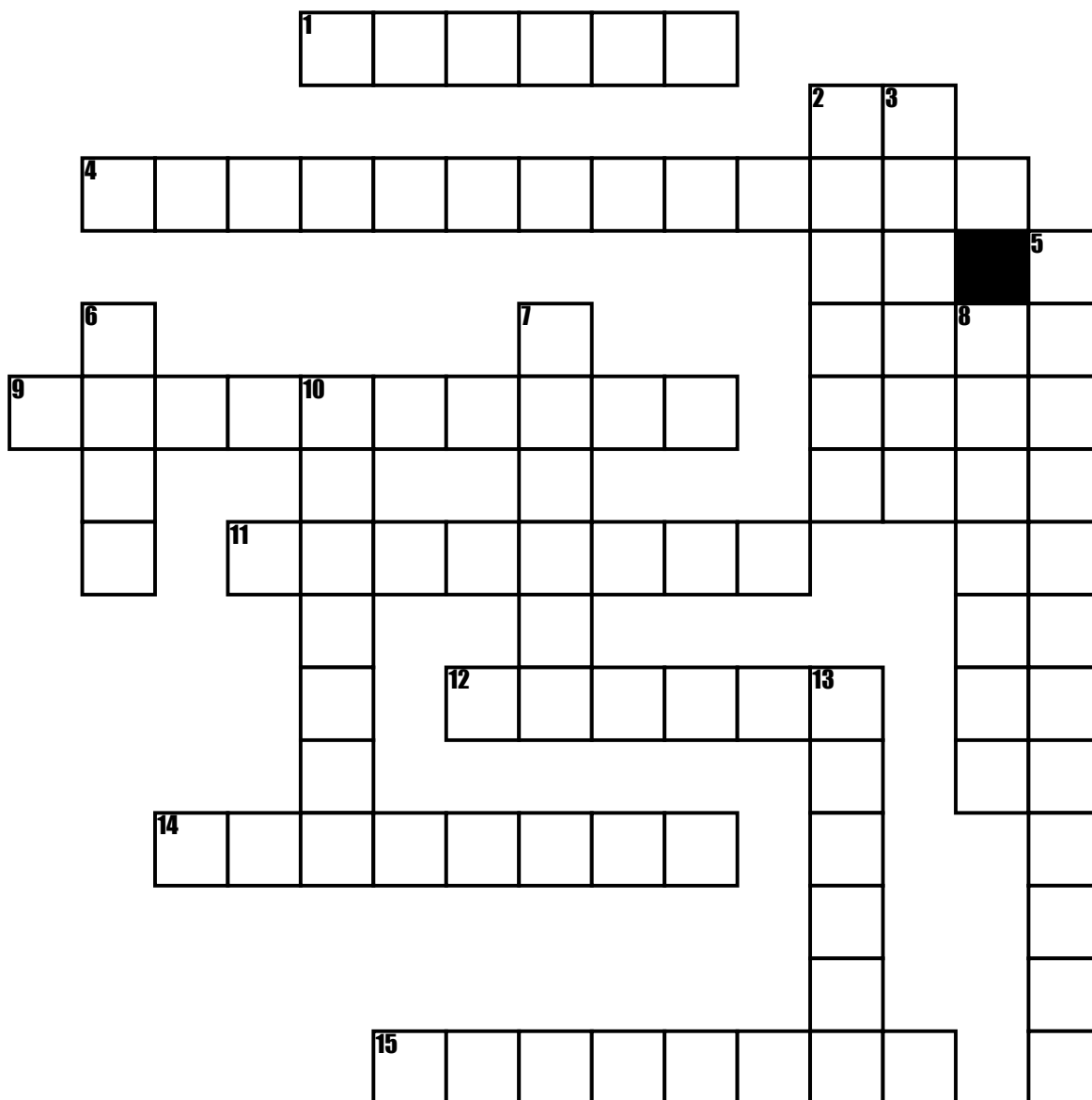


# Contract 3



## **Across**

- 1.** Smaller particles that make up protons and neutrons  
**4.** Model which shows electrons traveling around the particles  
**9.** Composed mostly of protons and neutrons in the nucleus  
**11.** Factor that doesn't vary in an experiment  
**12.** Positively charged proton of an atom

- 14.** Negitvly charged part of an atom

- 15.** Atoms of 2+ elements combined

## **Down**

- 2.** The amount of space occupied by an object  
**3.** Located in the center of an atom  
**5.** The number of protons in an atom also identifies the element

- 6.** Smallest piece of matter but still has the properties of an element

- 7.** Anything with mass and takes up space

- 8.** Substance made up of atoms with the same identity

- 10.** Atoms of the same element that have different numbers of atoms which gives them different properties

- 13.** Neutral particle of an atom