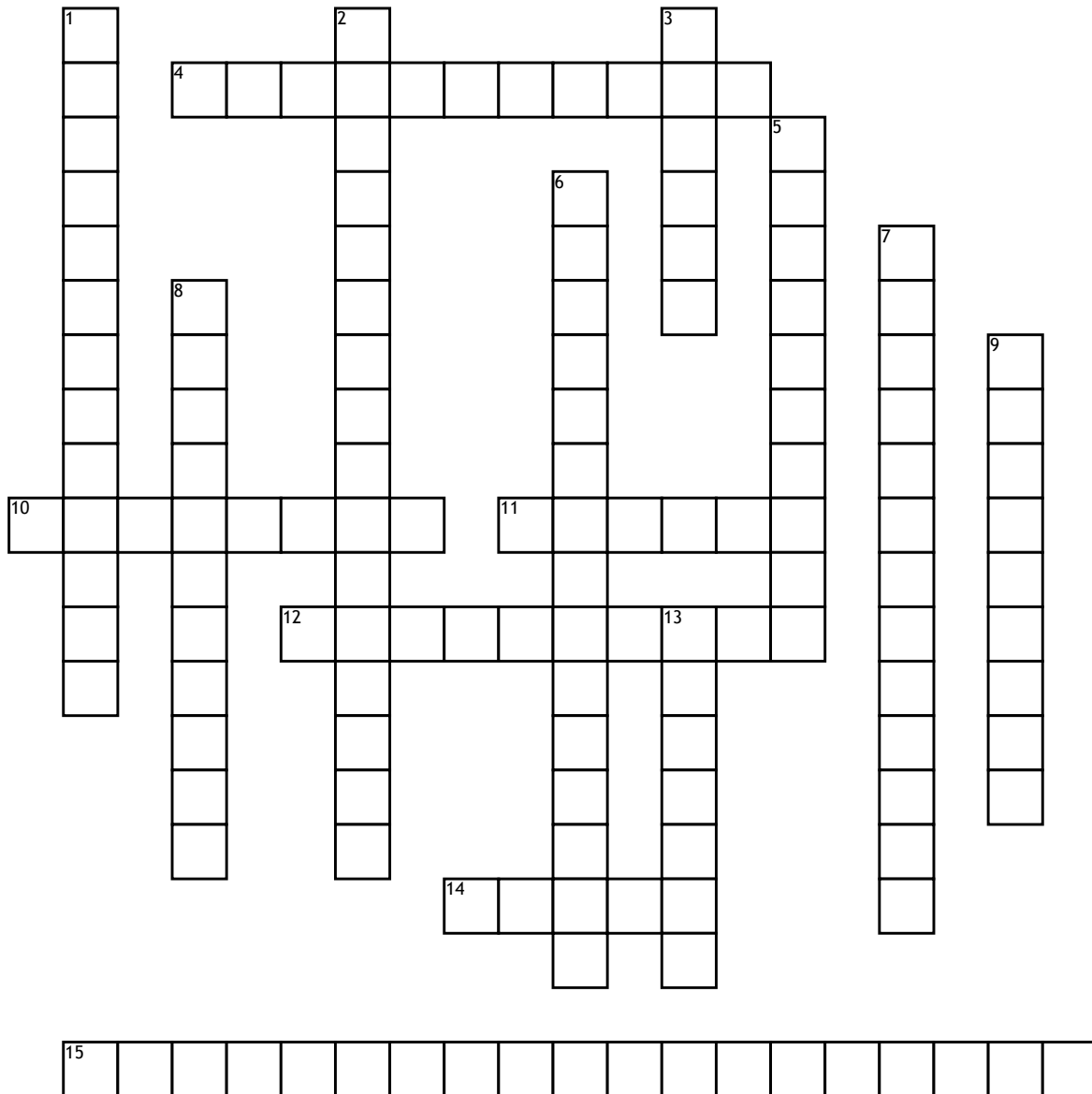


Atoms & the Periodic Table



Across

4. The possible energies that electrons in an atom can have.

10. Elements in Group 7A, having similar chemical properties, are highly reactive nonmetals, and 7 valence electrons.

11. Elements that are good conductors of electrical current and heat.

12. Elements with properties that fall between those of metals and nonmetals.

14. Each column on the periodic table of the elements

15. Elements in Group 2A that have 2 valence electrons.

Down

1. Arrangement of elements in columns, based on a set of properties that repeat from row to row.

2. Elements that form a bridge between the elements on the left and right sides of the periodic table.

3. Each row in the periodic table of the elements

5. Elements in Group 8A that are colorless and odorless and extremely unreactive.

6. An electron that is in the highest occupied energy level of an atom.

7. Metals that have a single valence electron and are extremely reactive.

8. Pattern of repeating properties on the periodic table

9. Elements that are poor conductors of heat and electric current.

13. Atoms of the same element that have different numbers of neutrons and different mass numbers.