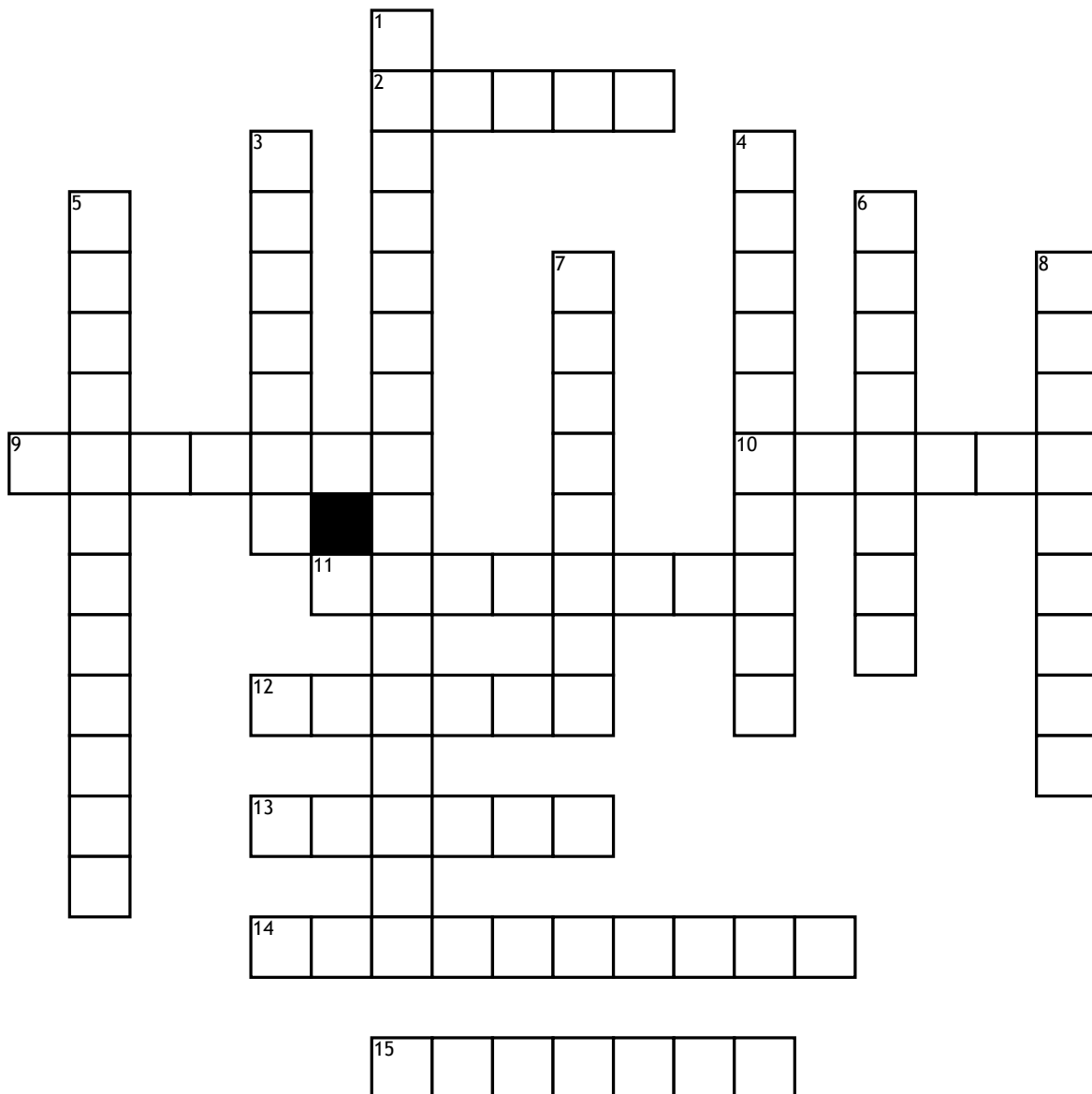


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Atomic Structure Crossword Puzzle



**Across**

2. a negatively charged ion that gains electrons

9. when 2 or more substances are physically combined

10. columns where elements have similar chemical properties

11. found from subtracting the protons from the mass number

12. a positively charged ion that loses electrons

13. the positive subatomic particle in the nucleus

14. The total number of protons and neutrons in an atom

15. atoms of the same element with a different number of neutrons

**Down**

1. the electrons in the highest occupied energy level

3. contains protons and neutrons

4. have 8 valence electrons

5. This gives you the number of protons OR electrons in an atom

6. when 2 or more elements are chemically combined

7. this subatomic particle is found outside of the nucleus

8. can be an element or compound