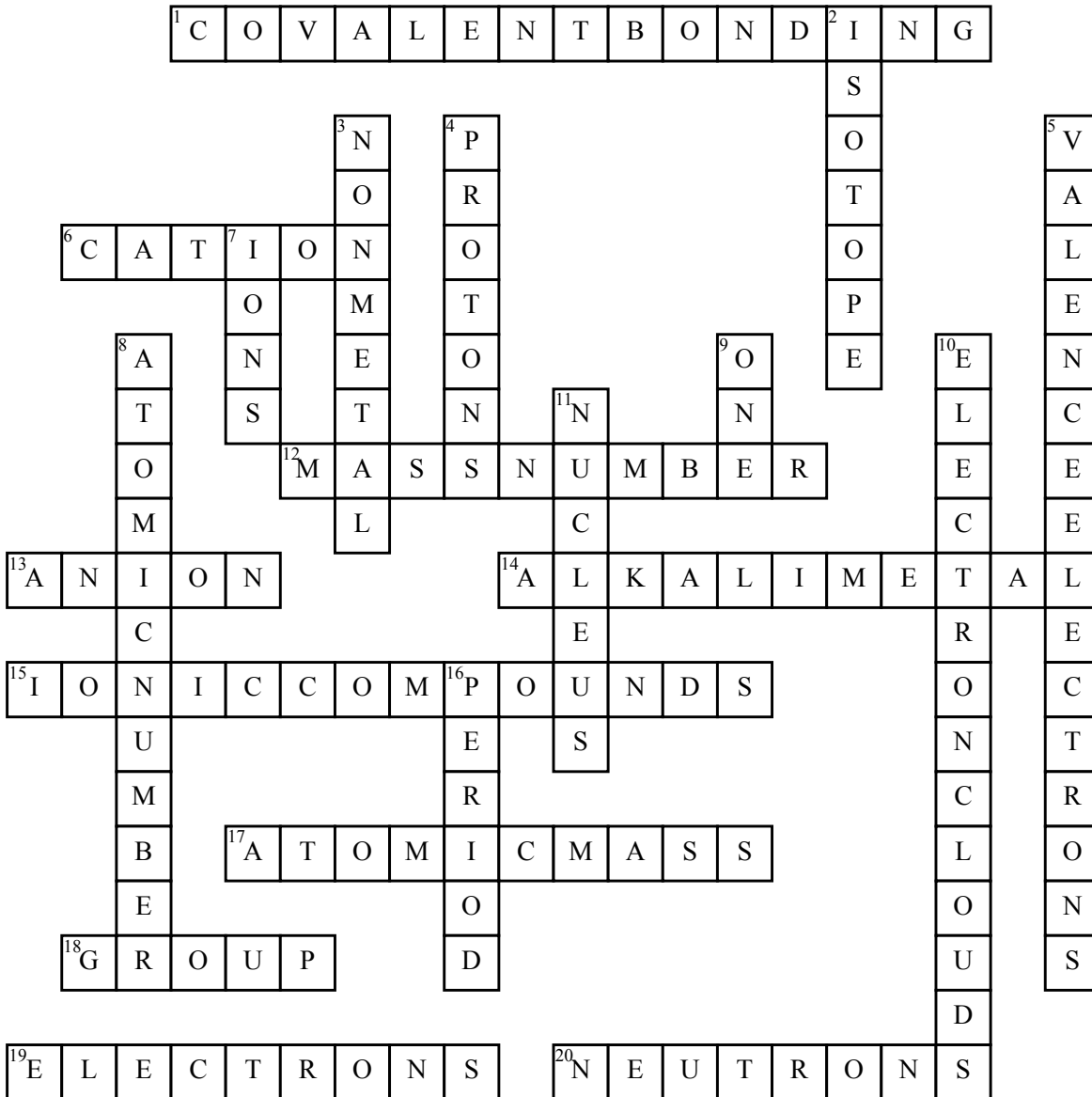


Periodic Table Puzzle



Across

- 1. What is it called when 2 atoms of nonmetals bond?
- 6. A _____ loses an electron and becomes positively charged.
- 12. The _____ is the total number of protons and neutrons.
- 13. A _____ gains an electron and becomes negatively charged.
- 14. Lithium is a _____.
- 15. What is it called when a metal reacts with a nonmetal?
- 17. What is an average of the masses of all naturally occurring isotopes of an element?

- 18. Valence electrons determine the _____ of which an element is placed.
 - 19. What are negatively charged particles of an atom?
 - 20. What particle of an atom has no charge?
- Down**
- 2. An _____ is an atom that has the same number of protons but a different number of neutrons as other atoms of the same element.
 - 3. Is Fluorine a metal or nonmetal?

- 4. What are positively charged particles of the atom?
- 5. The electrons in the outermost energy level of an atom are called _____.
- 7. What are charged particles that form during chemical changes?
- 8. What determines the identity of an atom?
- 9. Alkali Metals only have _____ valence electron?
- 10. Where are electrons found?
- 11. Where are protons found?
- 16. A row of elements is called a _____.