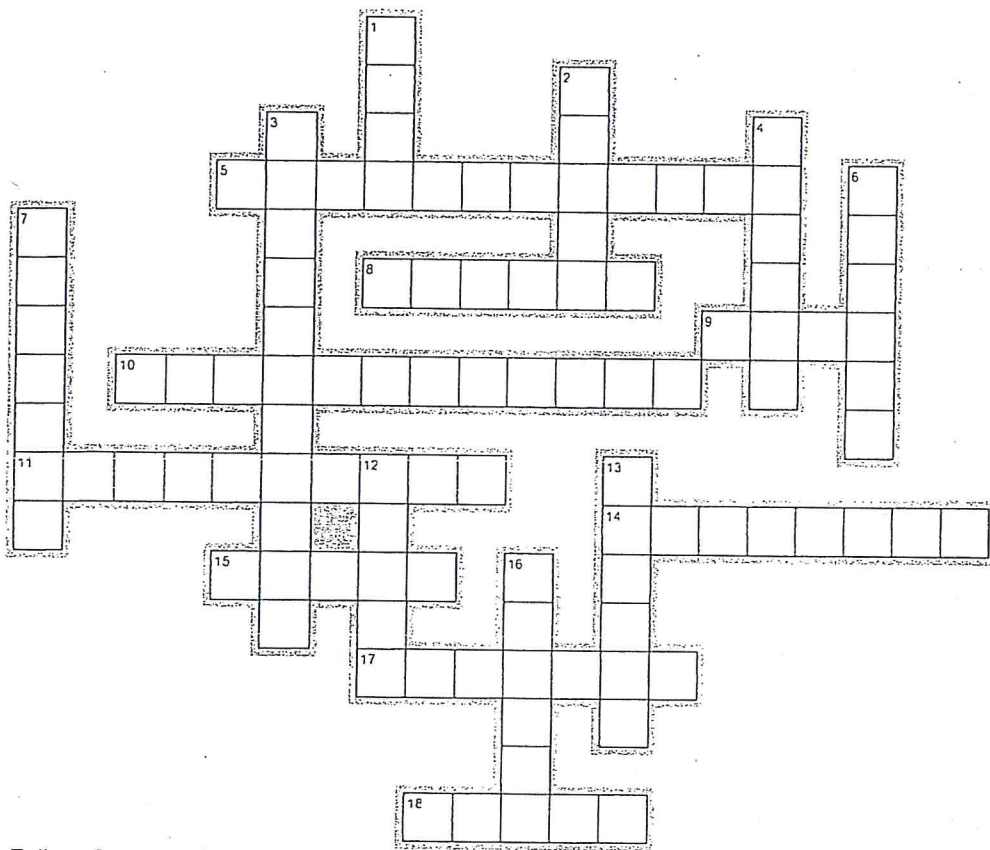


The Amazing Atom Crossword

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EclipseCrossword.com

Across

5. The number of protons equals the _____ on the periodic table
8. A column of the periodic table
9. A diagram that shows the entire electron arrangement of an atom is called a _____ diagram
10. The outermost shell that contains electrons in an atom
11. Protons + neutrons = _____
14. Negatively charged sub-atomic particle that orbits the nucleus
15. A diagram that shows only the valence electrons is called a _____ diagram
17. Neutral sub-atomic particle that helps stabilize ("glue together") the nucleus
18. The number of protons _____ necessarily equal the number of neutrons in an atom.... you must always do math to figure out the number of neutrons

Down

1. The smallest particle of an element that retains the properties of an element
2. To be neutral an atom's number of protons must _____ its number of protons
3. The arrangement of having 8 electrons in the outermost shell
4. Positively charged sub-atomic particle that "lives" in the nucleus
6. An ion always has a _____
7. An atom is always _____
12. An atom that has gained electrons to become negatively charged
13. A row of the periodic table
16. An atom that has lost electrons to become positively charged