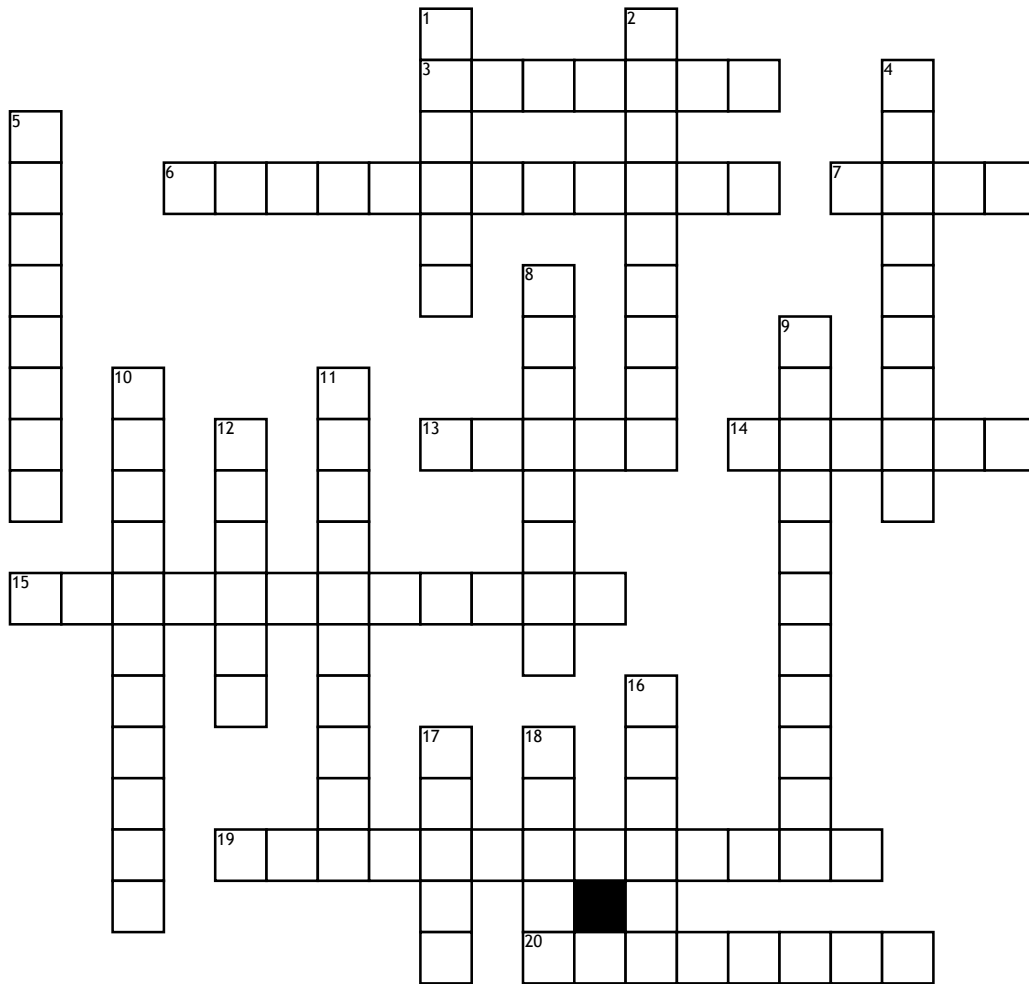


Name: _____

Date: _____

periodic crossword puzzle



Across

3. a part or aspect of something abstract, especially one that is essential or characteristic.
 6. group 1 or 1A
 7. the smallest particle that has the properties of an element
 13. the elements that are good conductors of heat and electricity
 14. the name given to a horizontal row of the periodic table
 15. the number of protons in the nucleus of an atom

19. a table of the chemical elements arranged in order of atomic number, usually in rows, so that elements with similar atomic structure
 20. the elements that are usually poor conductors of heat and electricity

Down

1. another name for period
 2. another name for metalloid
 4. They are electrical semiconductors.
 5. a group of atoms bonded together, representing the smallest fundamental unit of a chemical compound that can take part in a chemical reaction.
 8. any atoms having the same number of protons but a different number of neutrons

9. any of the possible energies an electron may have in an atom
 10. the properties of elements tend to repeat in a regular pattern when elements are arranged in order of increasing atomic number
 11. the total number of protons and neutrons in the nucleus of an atom
 12. another name for group
 16. a positively charged subatomic particle in the nucleus of an atom
 17. is a column of elements in the periodic table
 18. an ion with a negative charge

Word Bank

- | | | | | |
|--------------|----------------|---------------|---------------|-----------|
| isotopes | metal | nonmetal | proton | atom |
| anion | group | period | family | series |
| molecule | periodic table | periodic law | element | semimetal |
| energy level | mass number | atomic number | alkali family | metalloid |