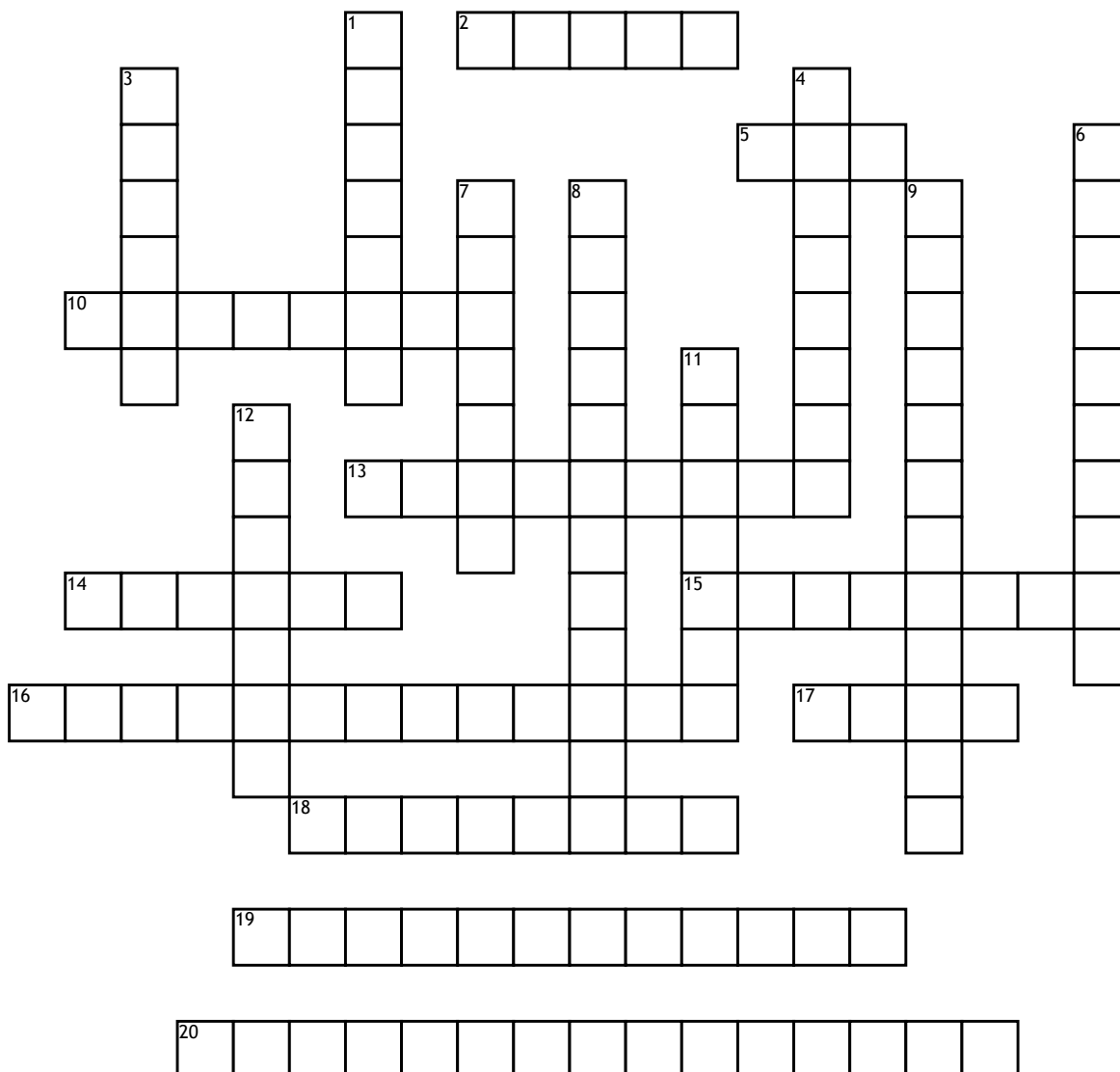


Name: _____ Date: _____ Period: _____

Atoms Crossword Puzzle



Across

2. a negatively charged ion
 5. an atom or molecule with a net electric charge due to the loss or gain of one or more electrons
 10. a group of atoms bonded together
 13. complete transfer of valence electron(s) between atoms.
 14. a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge equal in magnitude to that of an electron, but of opposite sign.
 15. specification of the energy and probability density of an electron at any point in an atom or molecule.
 16. a table of the chemical elements arranged in order of atomic number

17. the basic unit of a chemical element

18. a stable subatomic particle with a charge of negative electricity
 19. a weak bond between two molecules resulting from an electrostatic attraction between a proton in one molecule and an electronegative atom in the other.

20. pertains to any of the electrons on the outer shell of the nucleus of an atom.

Down

1. a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing the genetic material.
 3. a positively charged ion,

4. substance formed when two or more chemical elements are chemically bonded together.

6. the mass of an atom of a chemical element expressed in atomic mass units.

7. pure substance of one type of atom.

8. the number of protons in the nucleus of an atom

9. chemical bond that involves the sharing of electron pairs between atoms.

11. several nuclides having the same number of protons in their nuclei and hence having the same atomic number

12. subatomic particle of about the same mass as a proton but without an electric charge, present in all atomic nuclei except those of ordinary hydrogen.