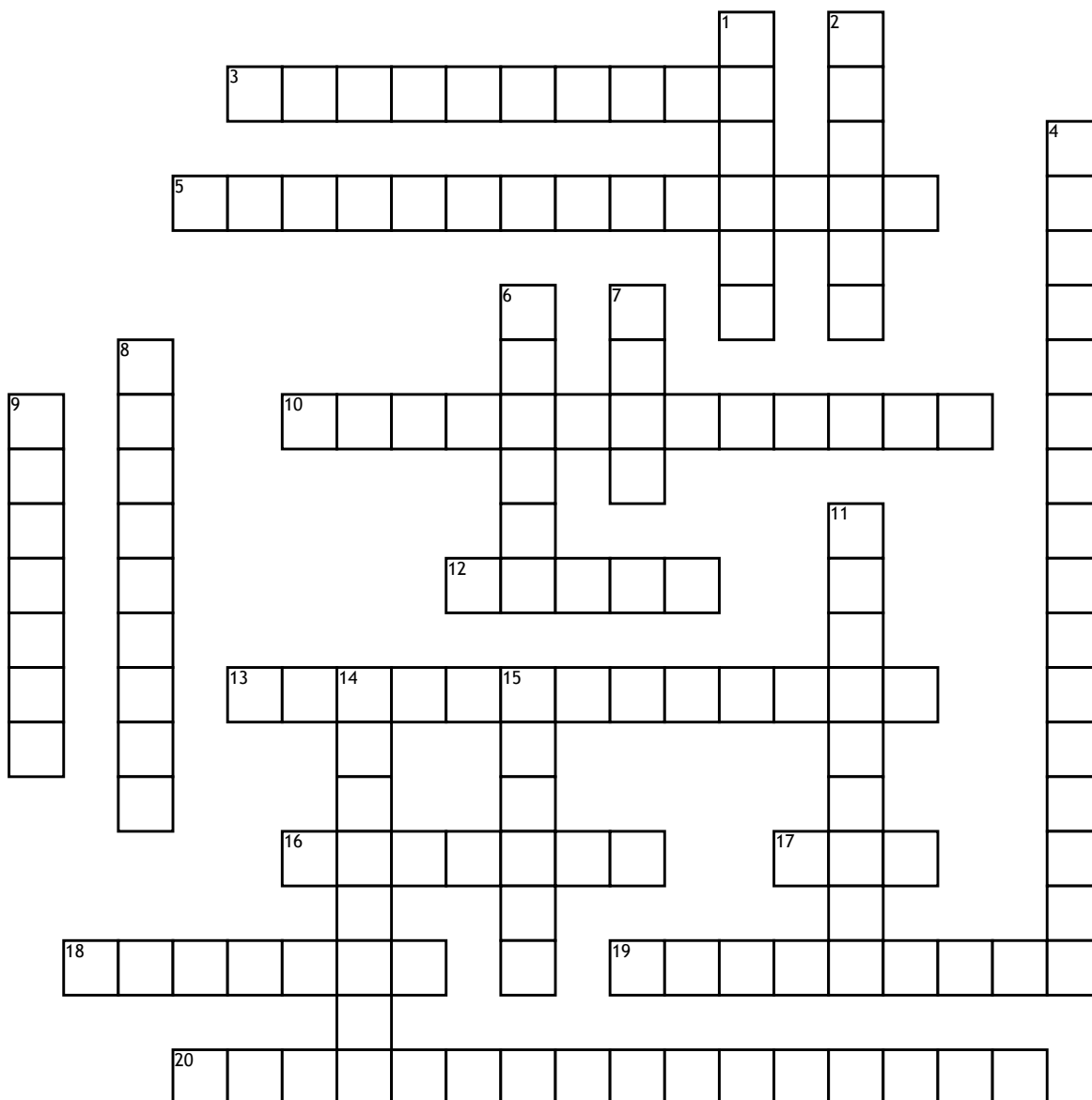


Name: _____

Date: _____

History and Structure of an Atom



Across

3. the sum of the protons and neutrons
5. who proved the existence of atoms
10. the area around the nucleus
12. vertical rows on a periodic table
13. who discovered that every element identifies with how many neutrons it has
16. neutral charge in the atom
17. electrically charged particle

18. central part of an atom

19. discovered the Bohr model
20. the electrons on the outer ring

Down

1. positive charge in the atom
2. horizontal rows on a periodic table
4. known as the "father of modern chemistry"
6. anything that has mass and takes up space
7. smallest particle of matter

8. discovered the atomic model

9. any substance that cannot be broken down any further

11. negative charge in the atom
14. 2 or more elements chemically combined
15. the electrical factor of the atom