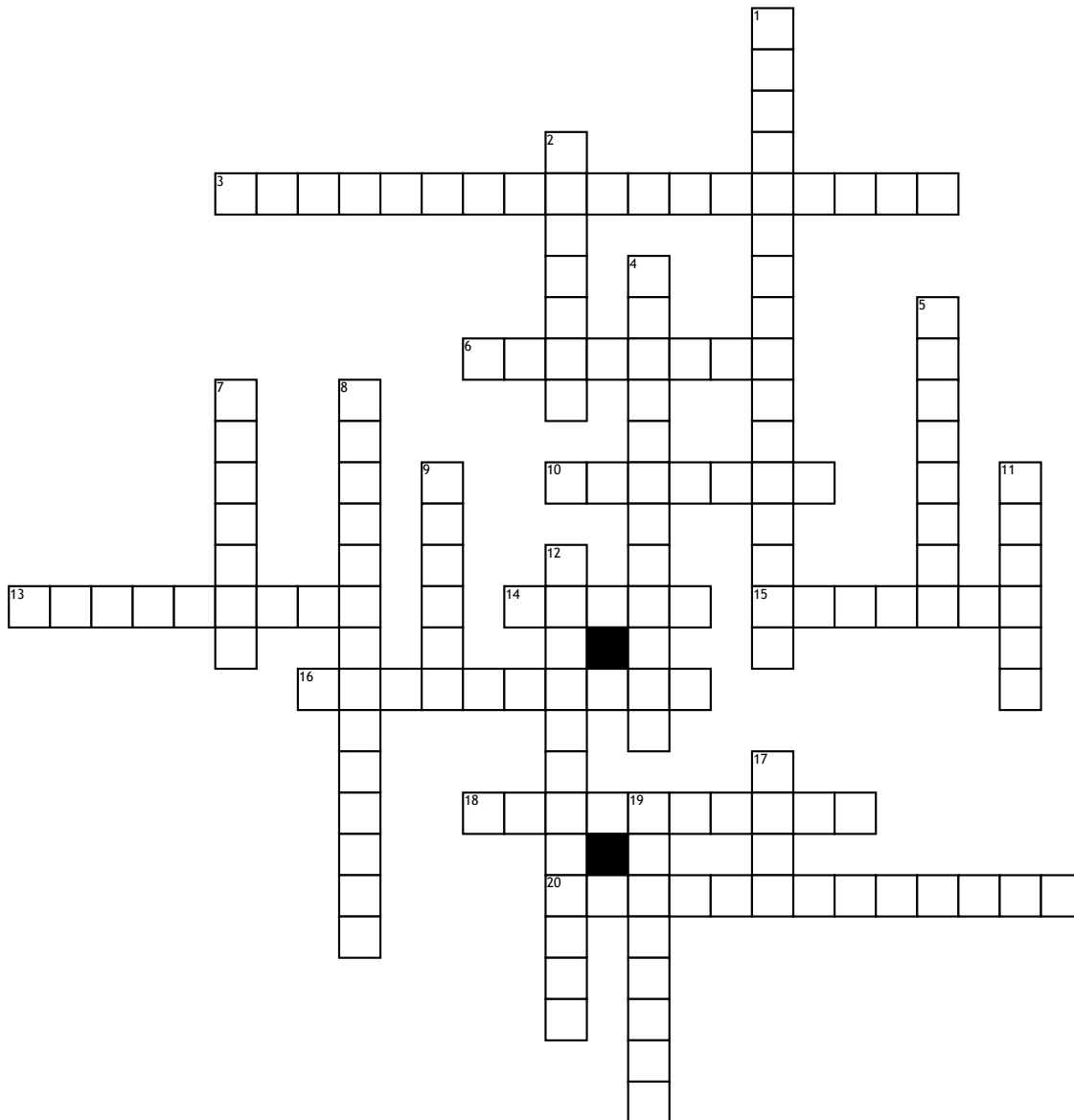


Structure of a Atom



Across

3. The experiment conducted by Ernest Rutherford to discover the nucleus of an atom.

6. The term given to atoms of the same element that have different numbers of neutrons.

10. The center of an atom.

13. A term that means it is smaller than atom.

14. The smallest unit of an element

15. A form of matter that cannot be separated into simpler substances by ordinary chemical methods.

16. The sum of the number of neutrons and protons in an atomic nucleus

18. The man who discovered the nucleus of an atom.

20. Empty space around the nucleus of an atom where electrons travel

Down

1. The total number of protons and neutrons in the nucleus of an atom.

2. A subatomic particle with neutral charge

4. The number of protons and electron in an atom.

5. A very small piece of something

7. The man who discovered the electron.

8. Unit of mass for expressing masses of atoms or molecules

9. The particles that make up protons and neutrons.

11. A positively charged subatomic particle.

12. A theory of the structure of the atom

17. The man who discovered electron energy levels.

19. A negatively charged subatomic particle.