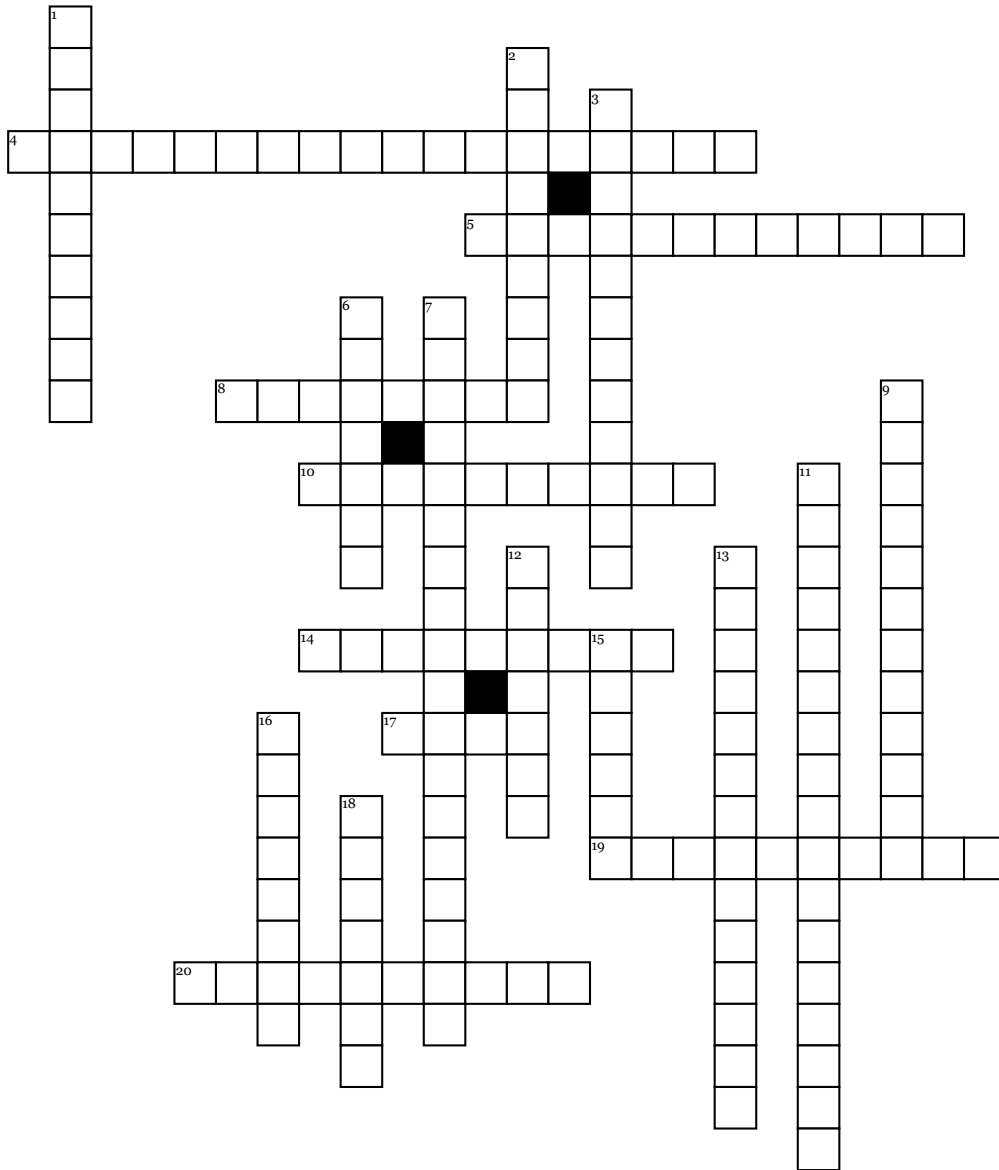


Atomic theory



Across

- 4.** a characteristic that can be observed without changing into another substance
5. the number of protons of an atom
8. Group 17 salt former
10. the energy needed to take an electron from an atom
14. composed of two or more elements
17. created the visual model of an atom
19. group 18

20. J.J Thomson Created used blank to prove that atoms can be broken into smaller parts

Down

- 1.** used the gold foil experiment
2. a negative Subatomic particle
3. half the distance between the centers of two atoms that are touching each other
6. Same number of protons but different neutrons

- 7.** a characteristic that describes the ability to change into different substances
9. most reactive of all metals
11. an atoms ability to attract an electron
12. a neutral subatomic particle
13. a family with a group of elements with similar properties
15. Father of atomic theory
16. can not be broken down into simpler substances
18. a positive charged subatomic particle