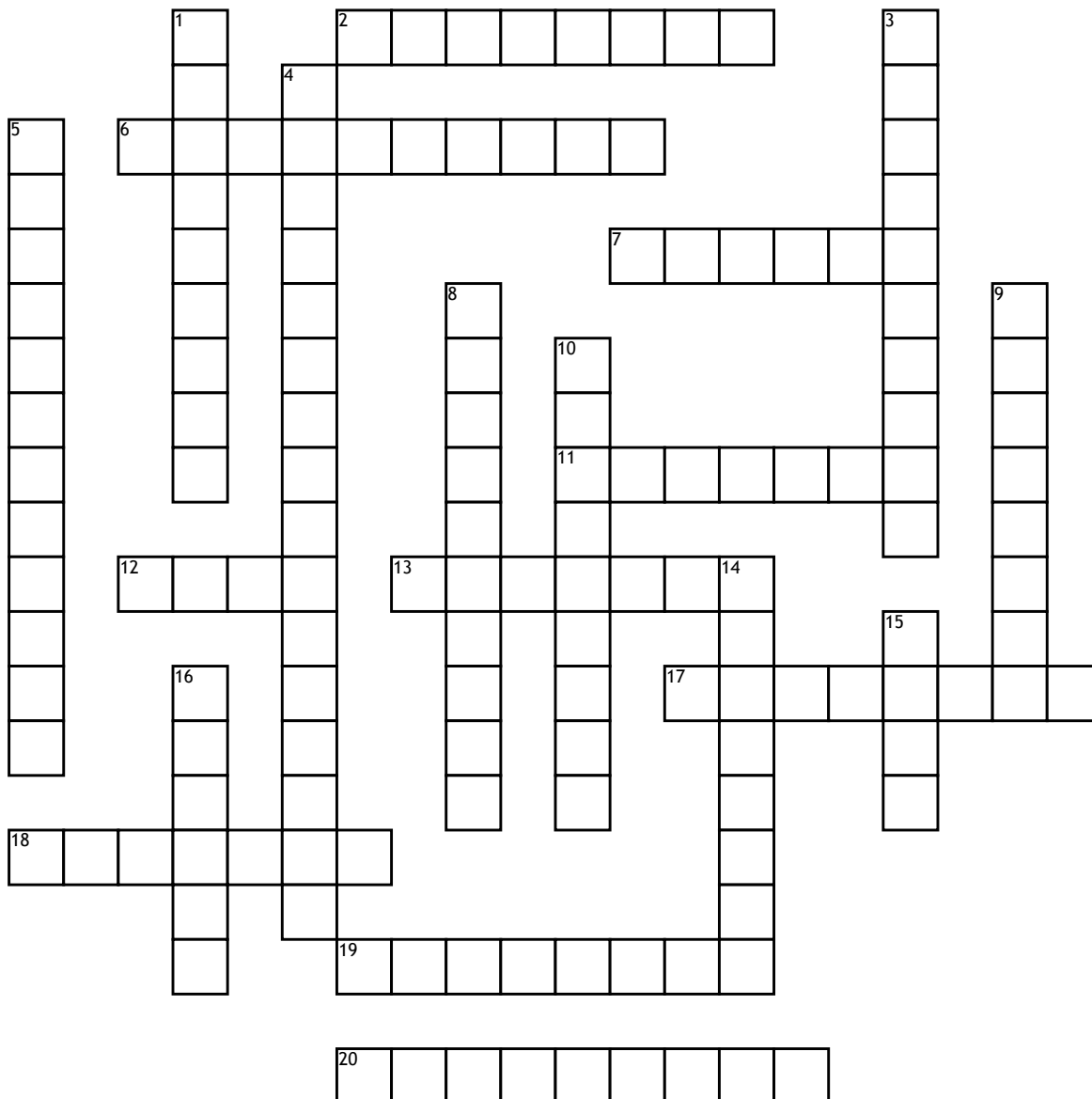


Building Blocks of Matter



Across

- 2. Discovered the charge of a electron
- 6. Scientist used gold foil with alpha particles
- 7. Father of modern chemistry
- 11. Atoms of the same element that have different masses
- 12. SI base unit used to measure the amount of substance

- 13. Hydrogen with one proton and two neutrons
- 17. negative charged particle
- 18. neutral particle
- 19. Scientist plum pudding model
- 20. mass of one mole of pure substance

Down

- 1. Hydrogen with one proton and one neutron
- 3. Total number of protons and neutrons

- 4. Transformation of a substance into a new substance
- 5. Number of protons in an element
- 8. Greek thinker 400 BC
- 9. 6.022×10^{23} named after
- 10. Did not believe in atoms
- 14. Scientist oil drop experiment
- 15. Greek word meaning indivisible
- 16. Positive charged particle