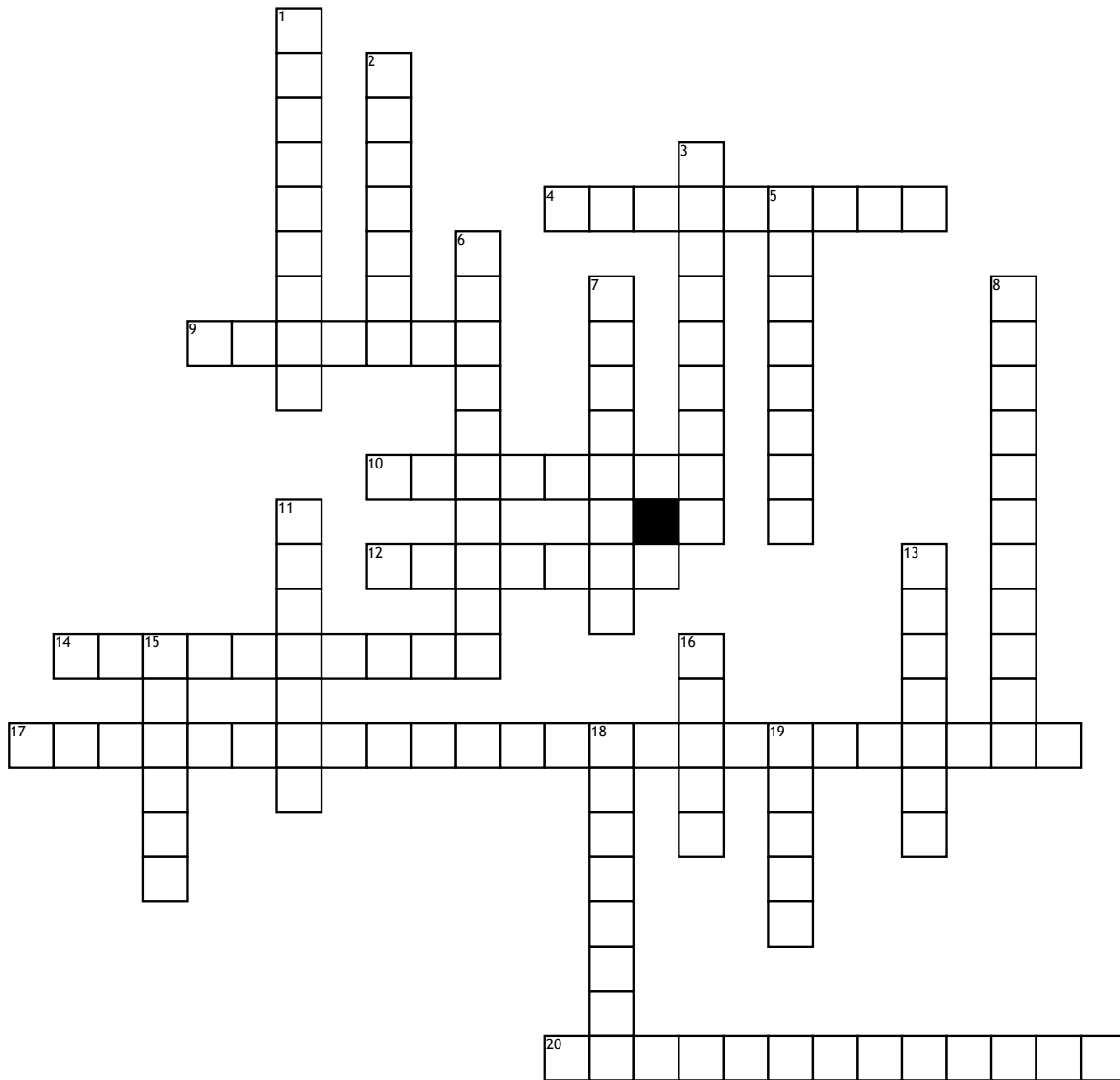


# Energy Systems



**Across**

- 4. mill that uses water for energy
- 9. is the potential mechanical energy stored in the configuration of a material or physical system as work is performed to distort its volume or shape. ex. Rubberband
- 10. a turbine that uses the wind to generate energy
- 12. the use of nuclear reactions that release energy to generate heat
- 14. energy that turns on a TV
- 17. windmill, solar, and watermill

20. is potential energy held by an object because of its high position compared to a lower position

**Down**

- 1. energy stored
- 2. the energy of electromagnetic and gravitational radiation
- 3. energy that can always be used
- 5. energy within a magnetic field, usually ending with two metals repelling or attracting each other

- 6. the sum of an object's potential and kinetic energy
- 7. is energy stored in the bonds of a chemical reaction
- 8. a system that generates energy from the sun
- 11. heat energy that is produced with the rapid movement of molecules
- 13. energy that has been used
- 15. ability to do work
- 16. visible energy
- 18. a person who designs safe energy systems
- 19. energy waves that can be heard