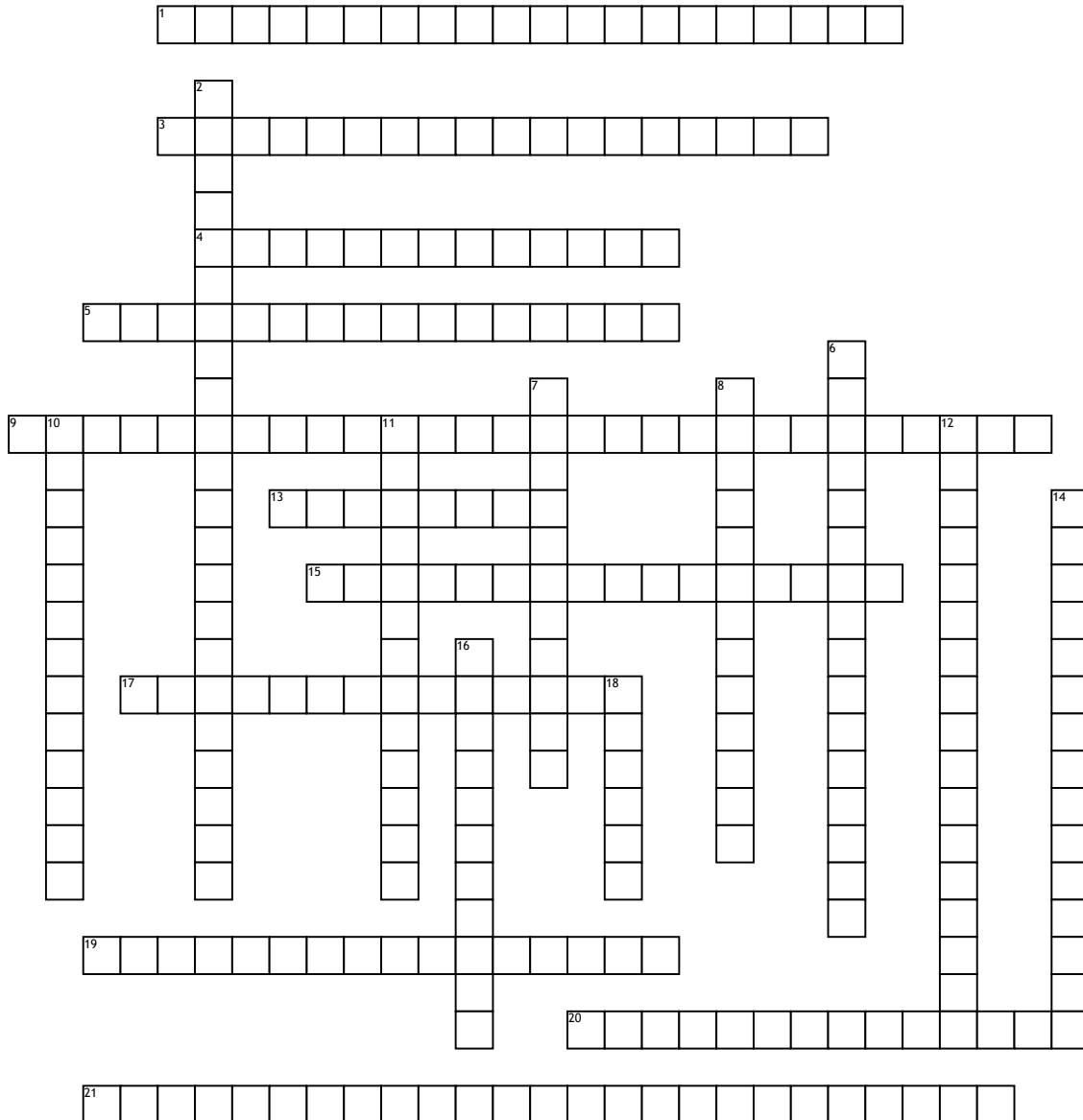


Energy



Across

1. a resource that cannot be easily replaced when it runs out
3. a machine that converts one form of energy to another
4. the internal energy of an object due to the kinetic energy of its atoms
5. what powers our homes
9. the energy an object possesses because of its position in a gravitational field
13. the resistance that one surface or object encounters when moving over another
15. to reduce the amount of energy used to provide a product

17. the opportunities an area offers to generate electricity based on its natural conditions and circumstances
19. the sum of kinetic and potential energy in an object
20. energy stored in the bonds of chemical compounds
21. energy can not be created or destroyed

Down

2. the energy stored in the configuration of a material or physical system as work is performed to distort its volume or shape
6. the process of changing one form of energy to another form of energy

7. energy associated with the vibration of matter
8. the energy of motion
10. energy that travels by waves or particles
11. the energy released during nuclear fission or fusion, especially when used to generate electricity
12. a resource that can be used repeatedly without worry of it running out
14. the stored energy an object has when it is not moving
16. a natural fuel such as coal or gas
18. the property of matter and radiation that is manifest as a capacity to perform work