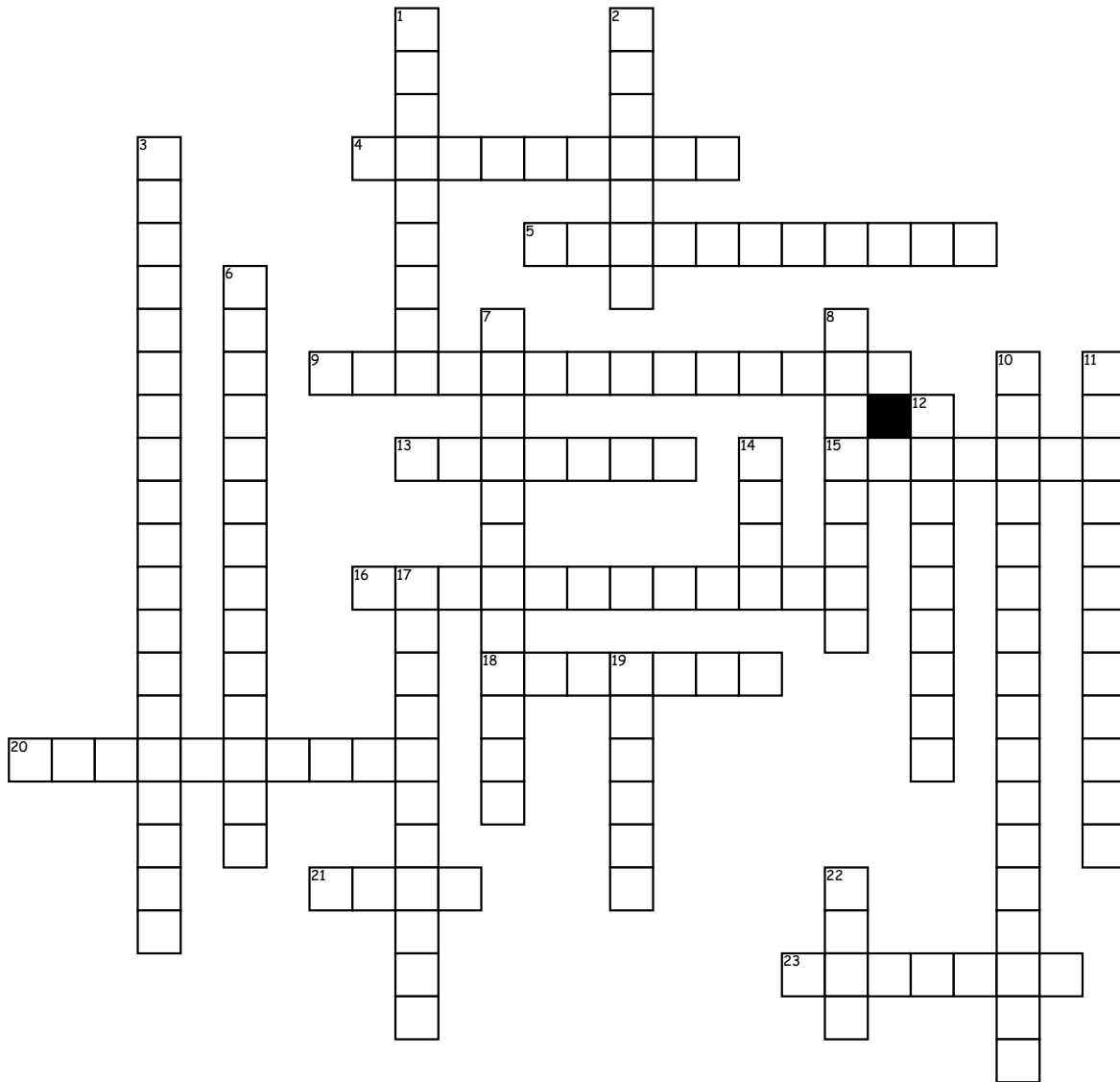


Energy, Change, System and Control



Across

- 4. A machine that produces electricity
- 5. A system in which the axle turns together with the wheels
- 9. The place where electricity from a substation is connected to the electrical circuits in a building
- 13. A rod that turns, with blades arranged like a wheel around it
- 15. To keep something from happening
- 16. People who are trained to help put out controlled fires
- 18. A material that returns quickly to its original shape after it has been bent or stretched

20. The part of the wall where an electrical appliance can be connected to an electrical circuit

21. A substance that can be eaten or burned to produce energy

23. Centre point

Down

- 1. A system in which the axle remains fixed while the wheels rotate around it
- 2. Source of stored energy that is made of one or more cells
- 3. Changes the energy in chemicals into electricity
- 6. The electricity in an electric circuit
- 7. Energy that is stored in something, for example in food or fuel; it can be changed

8. Squeeze or push the parts of something together

10. A system that provides a path for the transfer of electricity

11. The energy, such as heat and light energy, that is produced when a fuel burns

12. Parts of a machine that do specific jobs to make the machine work

14. A rod attached to a wheel

17. The energy we need to 'put in' to start a fuel burning

19. Two or more parts that work together to carry out a function

22. The part of an electrical appliance that can be connected to a wall socket