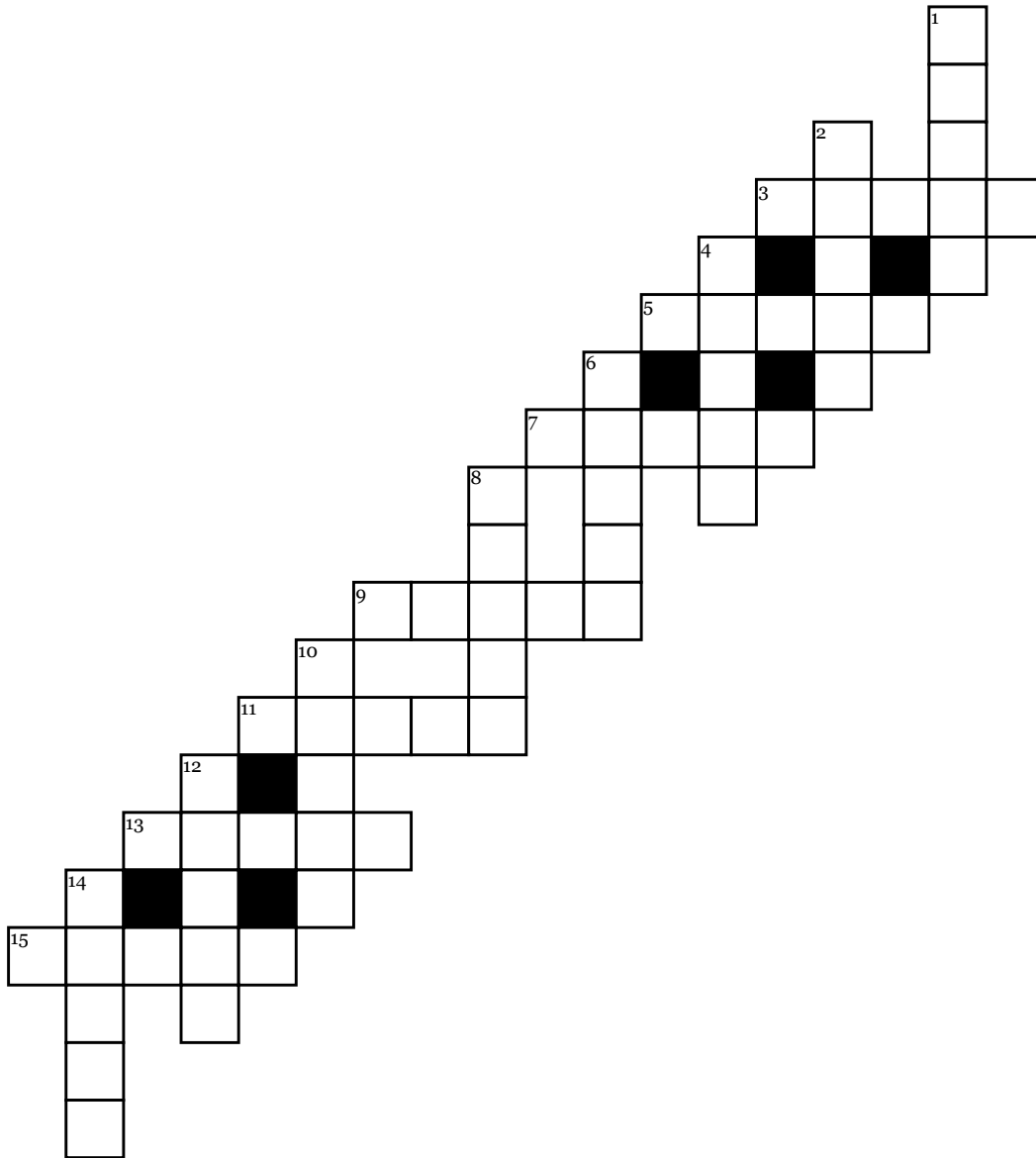


robot



Across

- 3. A device for making and breaking the connection in an electric circuit.
- 5. machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for some other
- 7. In the Universal Systems Model, this system has no way of adjusting to changing conditions because it doesn't use
- 9. Computer-controlled machines designed to perform specific manual tasks.
- 11. The complete path followed by a signal as it is fed back from the output of a circuit, device,

13. An automatic device that uses error-sensing negative feedback to correct the action of a mechanism.

15. The result of the process in the Universal Systems Model.

Down

- 1. In the Universal Systems Model, systems can change under different conditions using FEEDBACK.
- 2. Open-source electronic prototyping platform enabling users to create interactive electronic
- 4. A device that enables digital machines to monitor physical quantity of the analog world, such as temperature, to provide feedback and data used in

6. The element of the Universal Systems Model where the action or creation happens.

8. Control of a machine or apparatus from a distance by means of signals transmitted from a radio or electronic

10. Input/Output lines used to connect a microcontroller to the outside world.

12. The property of having poles or being polar. Batteries have positive (+) and negative (-) poles.

14. In the Universal Systems Model, resources such as energy, information, materials, money, people, time and tools.