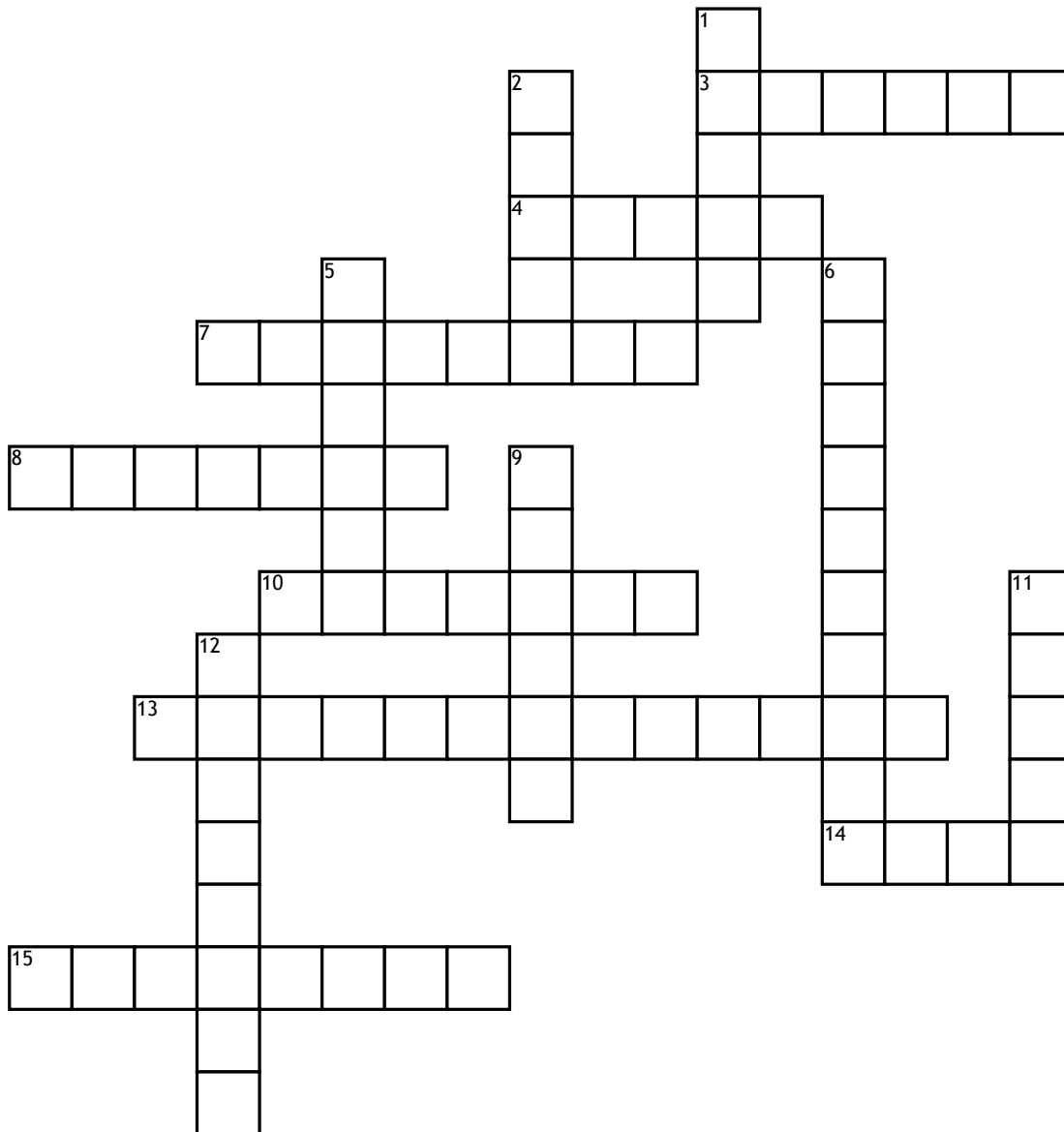


Robot Vocabulary



Across

3. The result of the process in the Universal Systems Model.
4. Computer-controlled machines designed to perform specific manual tasks.
7. In the Universal Systems Model, this system has no way of adjusting to changing conditions because it doesn't use FEEDBACK.
8. The element of the Universal Systems Model where the action or creation happens.
10. Open-source electronic prototyping platform enabling users to create interactive electronic objects.
13. Control of a machine or apparatus from a distance by means of signals transmitted from a radio or electronic device.

14. Input/Output lines used to connect a microcontroller to the outside world.
15. The property of having poles or being polar. Batteries have positive (+) and negative (-) poles.

Down

1. A machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for some other device with moving parts.
2. An automatic device that uses error-sensing negative feedback to correct the action of a mechanism.
5. A device that enables digital machines to monitor physical quantity of the analog world, such as temperature, to provide feedback and data used in robotics and other applications.

6. In the Universal Systems Model, systems can change under different conditions using FEEDBACK.
9. A device for making and breaking the connection in an electric circuit.
11. In the Universal Systems Model, resources such as energy, information, materials, money, people, time and tools.
12. The complete path followed by a signal as it is fed back from the output of a circuit, device, or system to the input and then back to the output