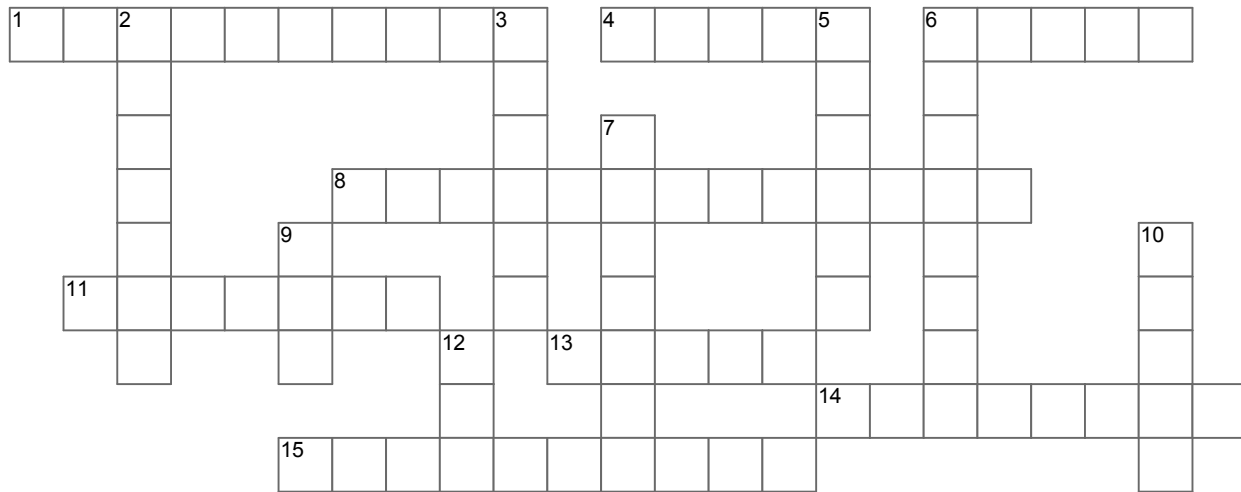


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Robotics Crossword



## ACROSS

1. Store electrical energy temporarily in an electric field.
4. Toothed machine part that meshes with another toothed part to transmit motion or to change speed or direction.
6. Machine capable of carrying out a complex series of actions automatically, especially one programmable by a computer.
8. Light-dependent resistor which slowly loses its resistance when exposed to high levels of ultraviolet light.
11. Container in which chemical energy is converted into electricity and used as a source of power.
13. Thread of metal that is covered with plastic, rubber, etc., and used to send or receive electricity or electrical signals.
14. An electrical component that reduces the electric current.
15. Robotics kits from Lego containing hardware and software to create customizable, programmable robots.

## DOWN

2. Sequence of instructions, written to perform a specified task on a computer.
3. Electrical component that can break an electrical circuit, interrupting the current or diverting it from one conductor to another.
5. A transducer whose purpose is to sense (to detect) some characteristic of its environments.
6. Branch of technology that deals with the design, construction, operation, and application of robots.
7. Open-source electronic prototyping platform allowing to create interactive electronic objects.
9. Series of kits containing hardware to create customizable, programmable robots.
10. An electrical machine that converts electrical energy into mechanical energy.
12. Electronic device that emits light when an electrical current is passed through it.

CAPACITORS	WIRES	LED	VEX
ROBOT	MOTOR	SENSOR	PROGRAM
ROBOTICS	BATTERY	SWITCH	MINDSTORMS
GEARS	PHOTORESISTOR	RESISTOR	ARDUINO

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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