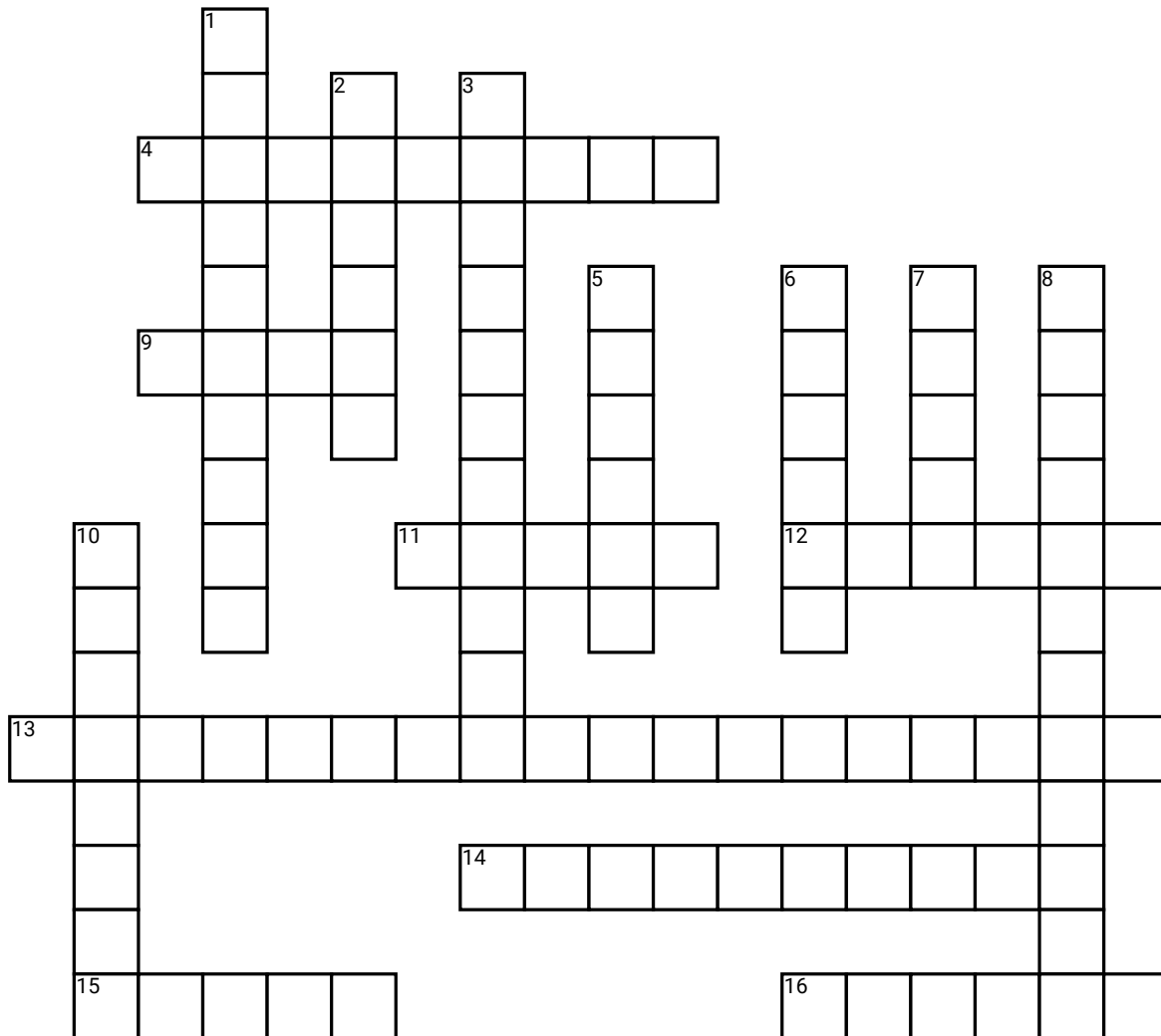


Name: \_\_\_\_\_

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

# Robotics



## **Across**

**4.** The use of compressed gas to control to generate and control mechanical force and movement

**9.** A list of instructions to do something.

**11.** This is commonly used as a non-contact sensor for robots. Robotic applications include: distance finding, identifying accurate locations, surface mapping, bar code scanning, cutting, welding etc.

**12.** The name for information sent from robot sensors to their controllers.

**13.** A person who writes computer code

**14.** A vehicle or robot that can perform a task or go from one point to another without human input

**15.** This type of technology sends a signal out to the object and it bounces back to the robot.

**16.** A being with both artificial and biological parts.

## **Down**

**1.** The "brains" of the robot.

**2.** This sensor can tell if the robot hits into something

**3.** A part on a robot used like a hand or gripper.

**5.** Highly advanced artificial intelligence network that will eventually lead to Judgement Day and release an army of Terminators.

**6.** It helps the robot to determine the environment the robot is in.

**7.** A Czech word that means "hard work" or "drudgery".

**8.** This sensor can detect something blue, red, green, white, black, etc.

**10.** The science and technology behind the design, manufacturing and application of robots.