Name: _____ Date: _____
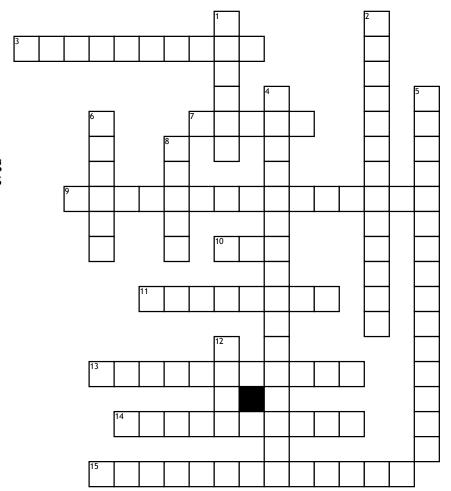
Robotics

Across

3. An information processing device whose inputs are both the desired and measured position, velocity or other pertinent variables

7. is a machine—especially one programmable by a computer— capable of carrying out a complex series of actions automatically

9. re-programmable multifunctional manipulator designed to move material, parts, tools, or specialized devices, through variable programmed motions for the performance of a variety of tasks

10. Computer aided design can be say in a short way is

11. The study of motion, the forces that cause the motion, and the forces due to motion.

13. Follows commands you tell the robot

14. The robot predicting the behavior and the operation of a robotic, kinematics emulation, path-planning emulation, and simulation of sensors

15. removes drive power from the robot actuators, and causes all moving parts to stop

Down

1. It helps the robot to determine the environment of the robot like light heat.

2. .able to add resources to the system, such as memory, larger hard drive

4. The procedures use mathematical algorithms along with joint sensors to determine its location of a robot

5. predicting the behavior and the operation of a robotic base, the look of it

6. I help the robot move it arms or move

8. 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. This item we use to build buildings fix robot house