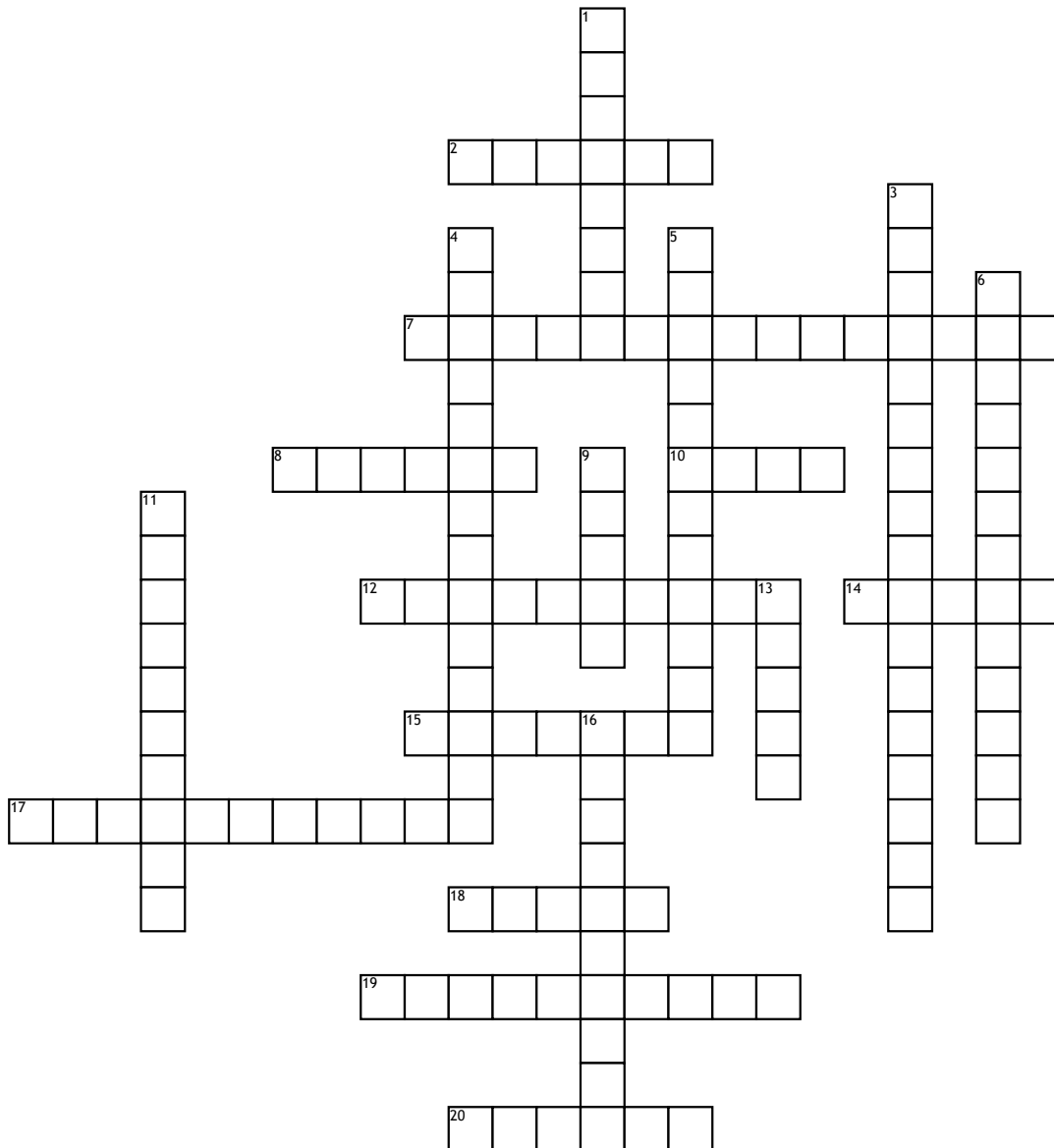


Name: _____

Date: _____

Robotics Terms



Across

2. Czech word that loosely means "compulsive servitude."

7. A multifunctional, reprogrammable manipulator designed to move parts, tools, specialized devices, or materials through variable programmed motions to perform a variety of tasks

8. a being with both artificial and biological parts

10. software used for Computer Aided Drafting and Design

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

14. organization founded by Dean Kamen to inspire students to pursue engineering and technology fields and learn gracious professionalism

15. Also called hexapod, a movable platform using six linear actuators. Often used in flight simulators and fairground rides, they also have applications as a robotic manipulator.

17. a part on a robot used like a hand or gripper

18. the main structure of the robot

19. consists of a powered method of mobility like legs, or gears, axles and wheels

20. highly advanced artificial intelligence network that will eventually lead to Judgement Day and release an army of Terminators.

Down

1. the science and technology behind the design, manufacturing and application of robots.

3. A manipulator under direct human control, often used for work with hazardous materials.

4. A form of motor that generates a linear movement directly.

5. machines that extend human capabilities

6. equivalent to the central nervous system of a human

9. a programmable mechanical device that can perform tasks and interact with its environment, without the aid of human interaction

11. the use of compressed gas to control to generate and control mechanical force and movement

13. a motor that moves to and maintains a set position under command, rather than continuously moving.

16. creating something that performs the same action over and over