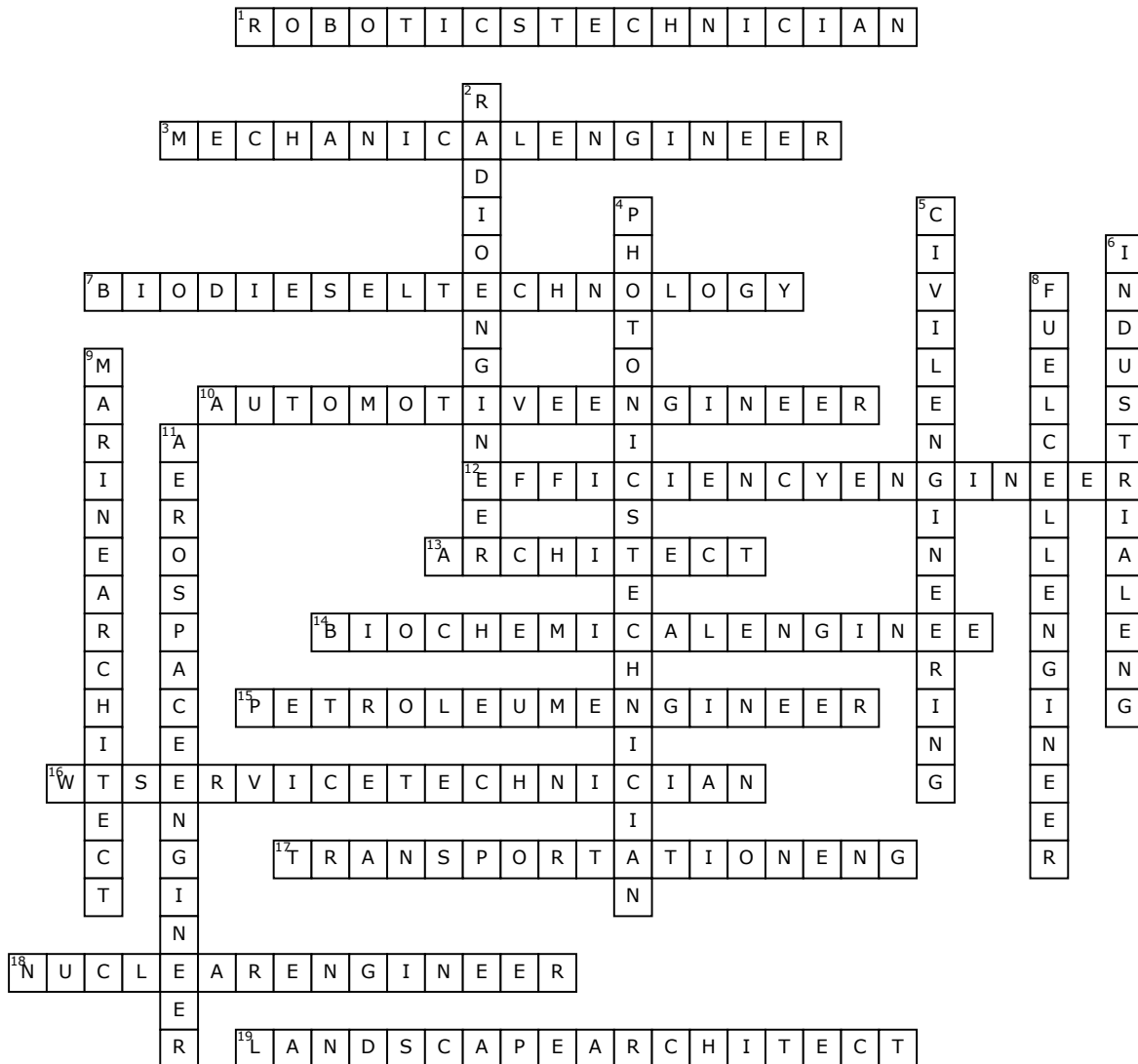


Name: \_\_\_\_\_

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

# JADEN'S



## Across

1. Maintain manufacturing robots in good working order to maximize productivity
3. Design a safety harness for an upside-down amusement park ride.
7. Test different crops to determine which are best for producing biofuels
10. Use computer simulations to help create cars that protect passengers during a crash
12. Analyze the energy usage in a production line, and recommend changes to boost efficiency and save money.
13. Create innovative designs for college dorms, like this one built from used shipping containers
14. Discover a method for improving a well-known cold medicine

15. Determine what type of drilling fluid will prevent drilling tool damage and prevent

16. Fix problems and make repairs on the blades of existing wind turbines.

17. Review plans of a proposed downtown development to determine the effect on the traffic system.

18. Simulate nuclear reactions on a computer to avoid the hazards and expense of physical experiments.

19. Design walkways in natural parks so that people can visit without harming the environment.

## Down

2. Recommend the best location for a new antenna to be constructed in order to triple the number of wireless devices that can be supported.

4. Help research new fiber-optic fabrication methods so information can travel faster and more efficiently.

5. Plan the construction of new buildings and the destruction of old ones

6. Streamline an operating room so that it is safer, faster, and easier to use.

8. Develop a new coating that will enable a fuel cell to operate using either fossil fuels or hydrogen-based fuels.

9. Design remotely operated vehicles (ROVs) for undersea research.

11. Work on the team planning a shuttle trip to service the Hubble Space Telescope