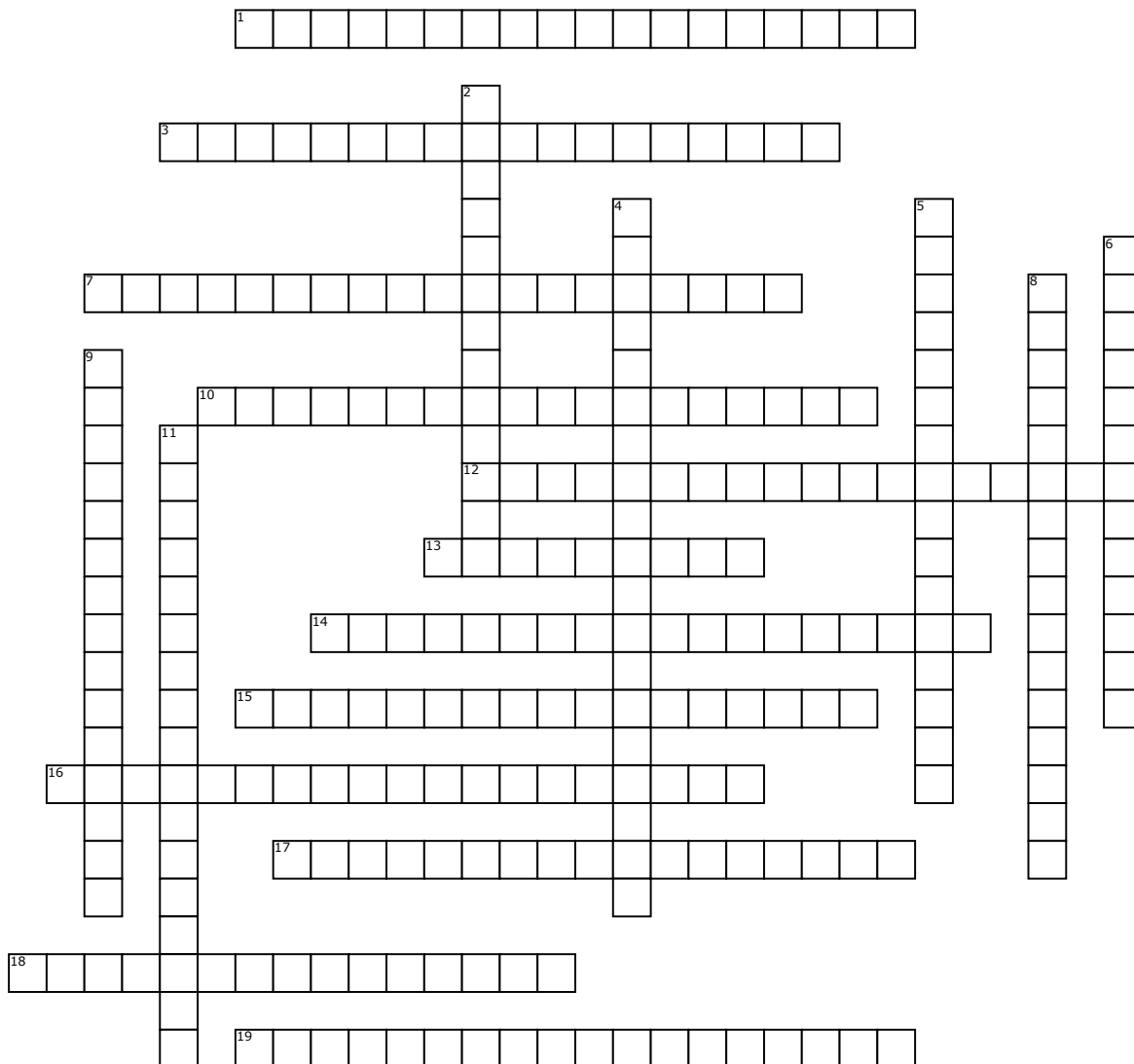


Name: \_\_\_\_\_

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