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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

VEX Robotic Parts Crossword

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| **Across**  **1.** Maintain desired spacing between beams and plates.  **3.** Use with pulleys, as a form of stored energy, and/or as a fastener.  **7.** Angle, Beam and right-angle beams  **9.** Used with beams, plates, corner connectors, and more  **10.** Where all information is stored in the robot.  **11.** Plates that lock onto shafts allowing design components to spin with the shaft.  **13.** Is found in 1X and 2X pieces  **14.** Use this to drive the robot.  **15.** Connects the controller to the brain.  **16.** Transmit power to another gear and/or mechanism.  **17.** Used to make the robot move. | **Down**  **2.** Drive belts or make rollers and small wheels.  **4.** Holds objects on shafts and/or the shaft itself in place.  **5.** Create corner connections between beams, plates, or other VEX IQ parts.  **6.** Transmit power to, or allow rotation of, wheels, pulleys, gears, and more.  **8.** Creates rotary motion.  **12.** A 4X4 would be one of these |