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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 |