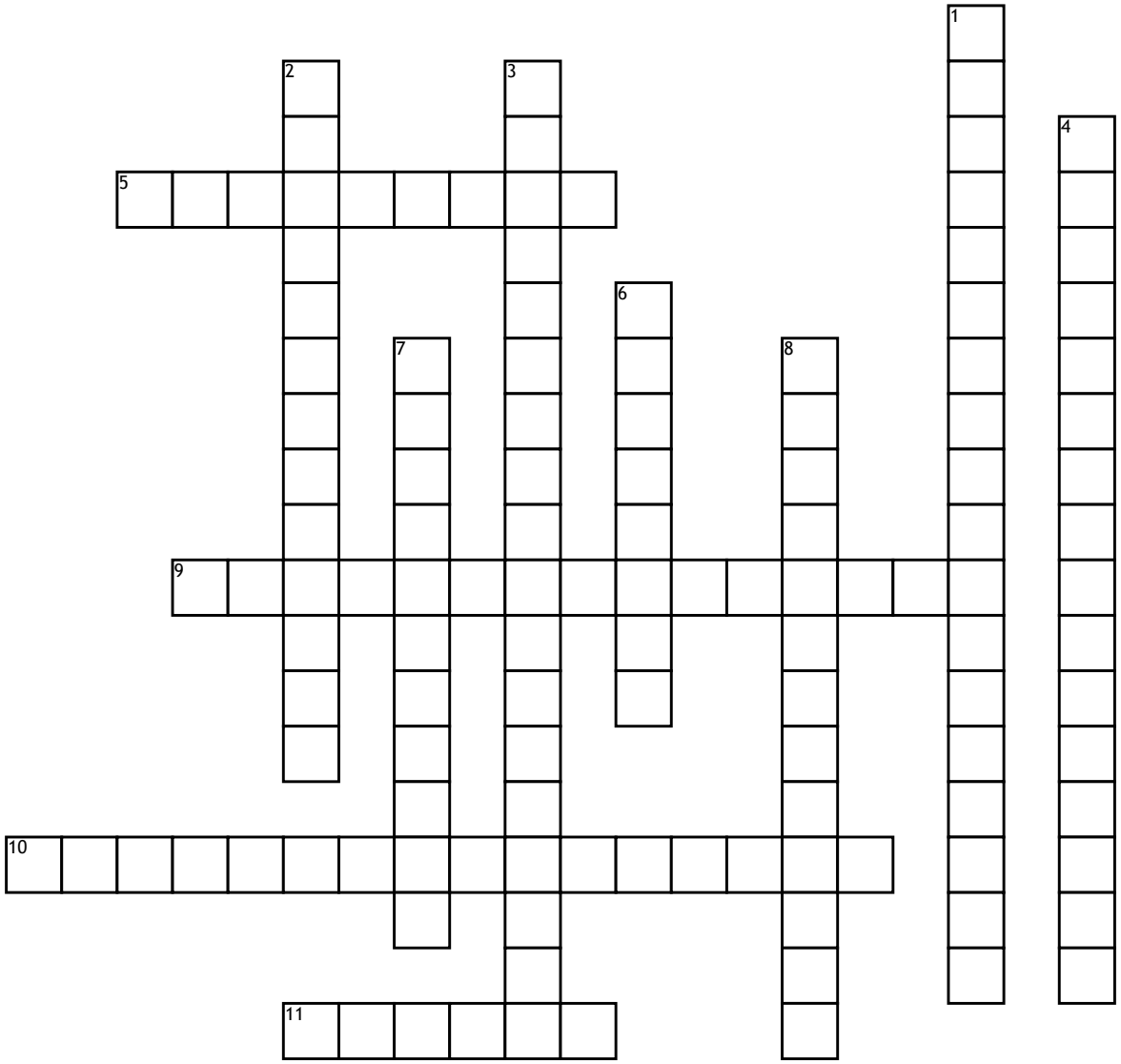
Name: _____ Date: _____

Robotics Benchmark 2



Across

5. What degree of turn would be best to program your robot to make a turn in a square?

9. What is a computer code or program?

10. What type of engineer creates the code to program the robot?

11. Which component of the Lego robot enables the robot to move for a certain number of wheel rotations.

Down

1. What type of engineer designs and builds the robot?

2. When participating in a robot race, most students choose to increase their programs power level for the B & C motor to 100 percent. Which of the following does the "power" option in the Lego robot program allow a programmer to control?

3. What type of engineer designs the electrical circuitry or wiring needed to make the robot function properly and safely?

4. Which component of the Lego robot enables the robot to measure or detect the distance of an object?

6. If you want to program your robot to move forward 5 wheel rotations,

7. If I want to measure the length of my Lego robot's tire, what metric unit would be best?

8. The distance in one of the Lego robot's wheel rotations is approximately 17 cm. One rotation is equal to the tire's