Name: _____ **Date:** _____



Build the power car. How did you connect the motor? How does the motor transmits the motion to the wheels?



The switch on the battery case has three positions. What happens on each position?



In the previous lessons you built vehicles without using a motor. What are the main differences you can see?



Define a starting point and measure the distance the car covers in 5 sec. Repeat the measurement 3 times.

1st trial	2nd trial	3rd trial



Change the medium wheels and add the big ones. Set the vehicle into motion. Repeat the previous process. When does the vehicle move faster?

1st trial	2nd trial	3rd trial

What are your inferences?

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Move on to the next modification with the different gears, keeping the medium wheels. What can you see regarding the speed of the vehicle, comparing the previous case with the medium wheels?



Change the medium wheels with the big ones. What can you see now for the speed? What are your inferences?