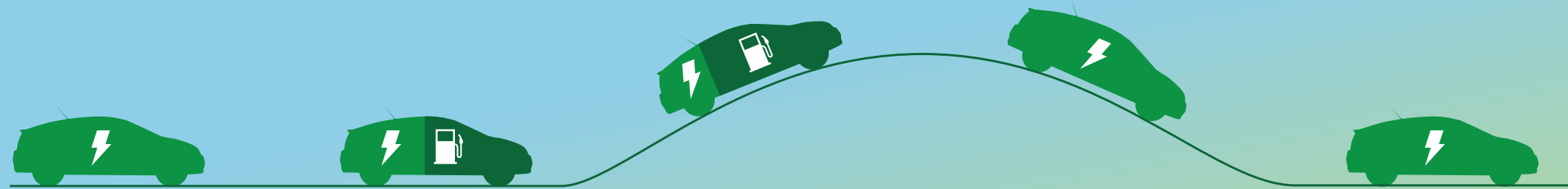


Hybrid Vehicles

The Science of the Prius



1. STARTING

Initial acceleration to low speeds. Prius is powered solely by the high-torque electric motor.

2. NORMAL RUNNING

In normal conditions, Prius runs on the electric motor, assisted by the gas engine as needed.

3. FULL ACCELERATION

During heavy acceleration, the gas engine is used while the battery supplies increased drive power to the electric motor.

4. DECELERATION/ BRAKING

When slowing, the gas engine shuts off and the electric motor converts momentum into electricity, storing it in the battery.

5. STOPPING

When Prius comes to a stop, its gas engine shuts off to conserve fuel and eliminate emissions.



Hybrid Vehicles

Ford Fusion

Drivers specially trained in mileage-maximizing techniques traveled 1,445.7 miles on a single tank of gas in this type of hybrid vehicle.

