

## HYBRID VEHICLES



- Hybrid cars are made with a gas engine, an electric motor and a high powered battery. The battery provides energy to the electric motor, which recharges by recapturing energy that normally would be lost when decelerating. When it is needed, power from the gas engine can be used to also recharge the battery. Since the hybrid car recharges in these ways, it does not need to be plugged in. A major benefit of hybrid cars is that they tend to achieve significantly high gas mileage, most of them getting about eight to ten percent better mileage than a conventional vehicle. Emissions are also significantly less with a hybrid.
- Bernards Township has already purchased four hybrid vehicles, two Toyota Priuses and two Ford Escapes

## BATTERY OPERATED MOTORCARS

- Battery-operated Global Electric Motorcars are a clean, green transportation alternative. These cars plug into a standard 110-volt outlet to recharge and don't require the usual maintenance. These cars are totally electric and run on rechargeable batteries.
- Bernards Township is in the process of purchasing one of these vehicles partially through Clean Communities funds provided by the state. To top it off, we plan to install solar arrays at the Public Works yards to charge these vehicles with renewable energy !

