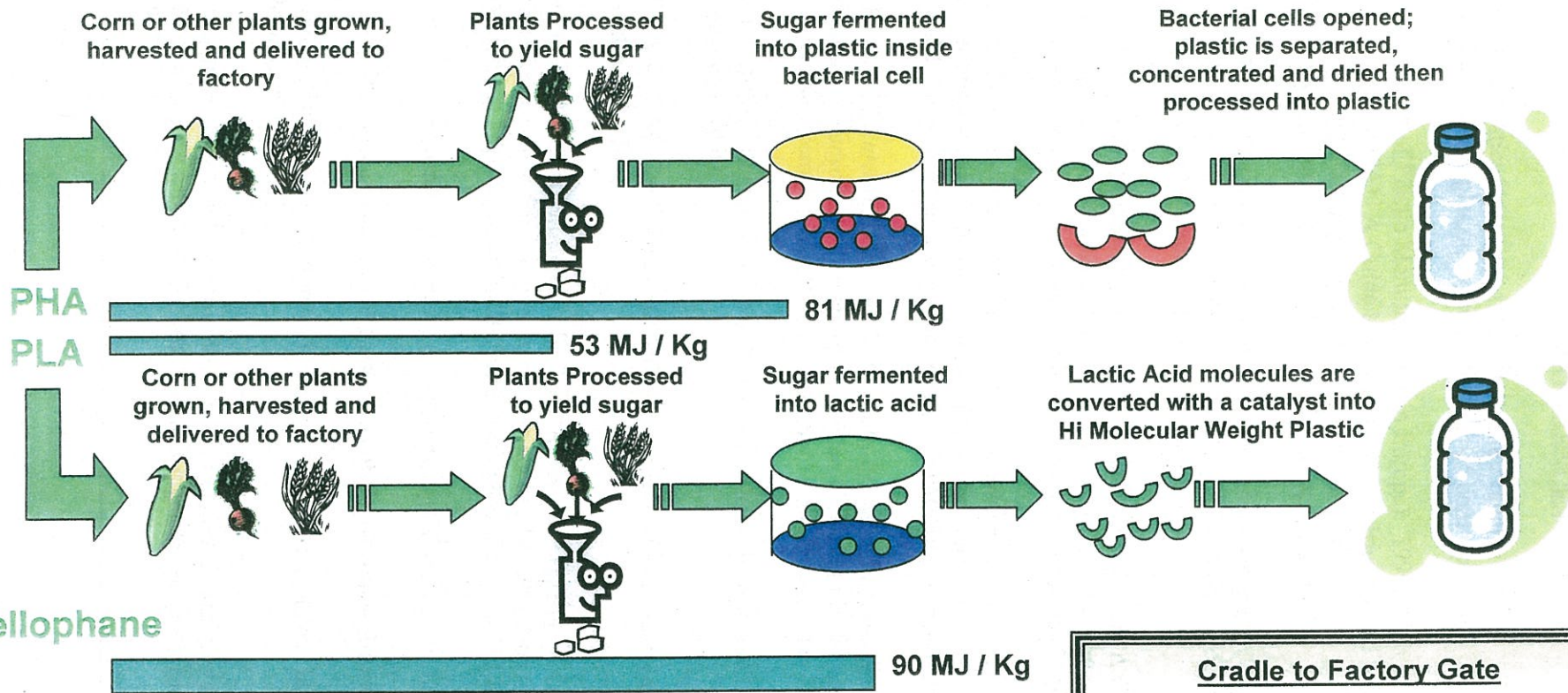
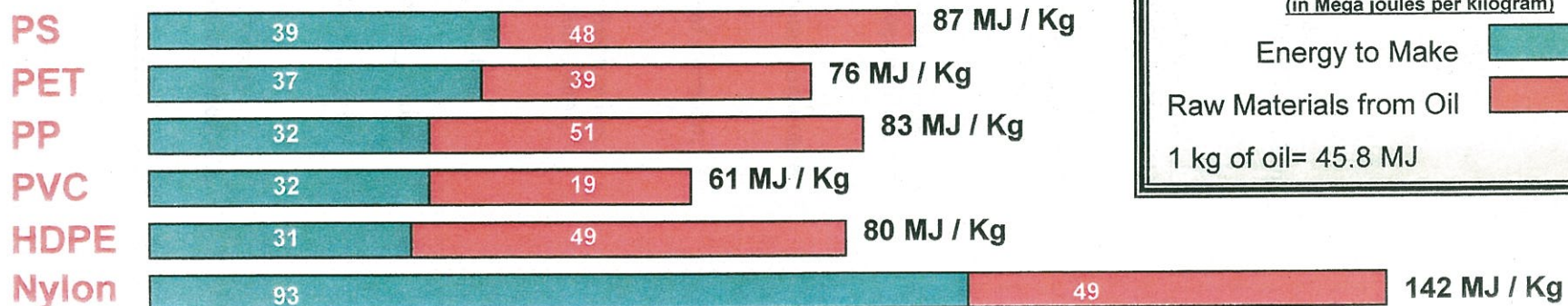


Comparison of Bio-plastics to Petrol Polymers and Fossil Fuel Usage

Plant-Based Plastics



Fossil Fuel-Based Plastics



Cradle to Factory Gate

Fossil-Fuel Requirements

(in Mega joules per kilogram)

Energy to Make

Raw Materials from Oil

1 kg of oil= 45.8 MJ