

KİMYA VE ENERJİ VERİMLİLİĞİ

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**Gebze Yüksek Teknoloji Enstitüsü
Fen Fakültesi Kimya Bölümü**



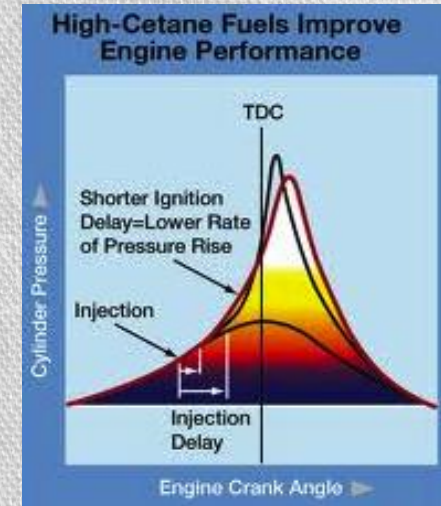
İçerik

- Enerji verimliliği?
- Kimya?
- Kimya ve Enerji Verimliliği?
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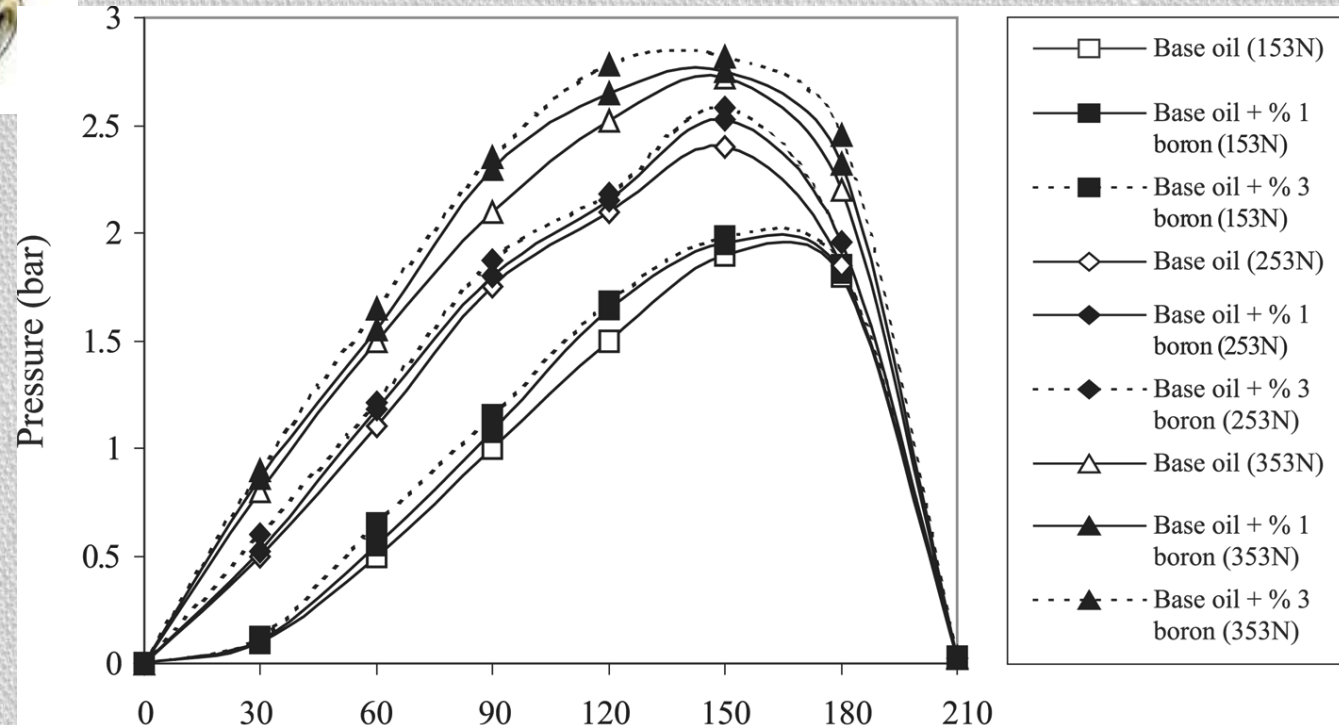
Enerji ve Kimya



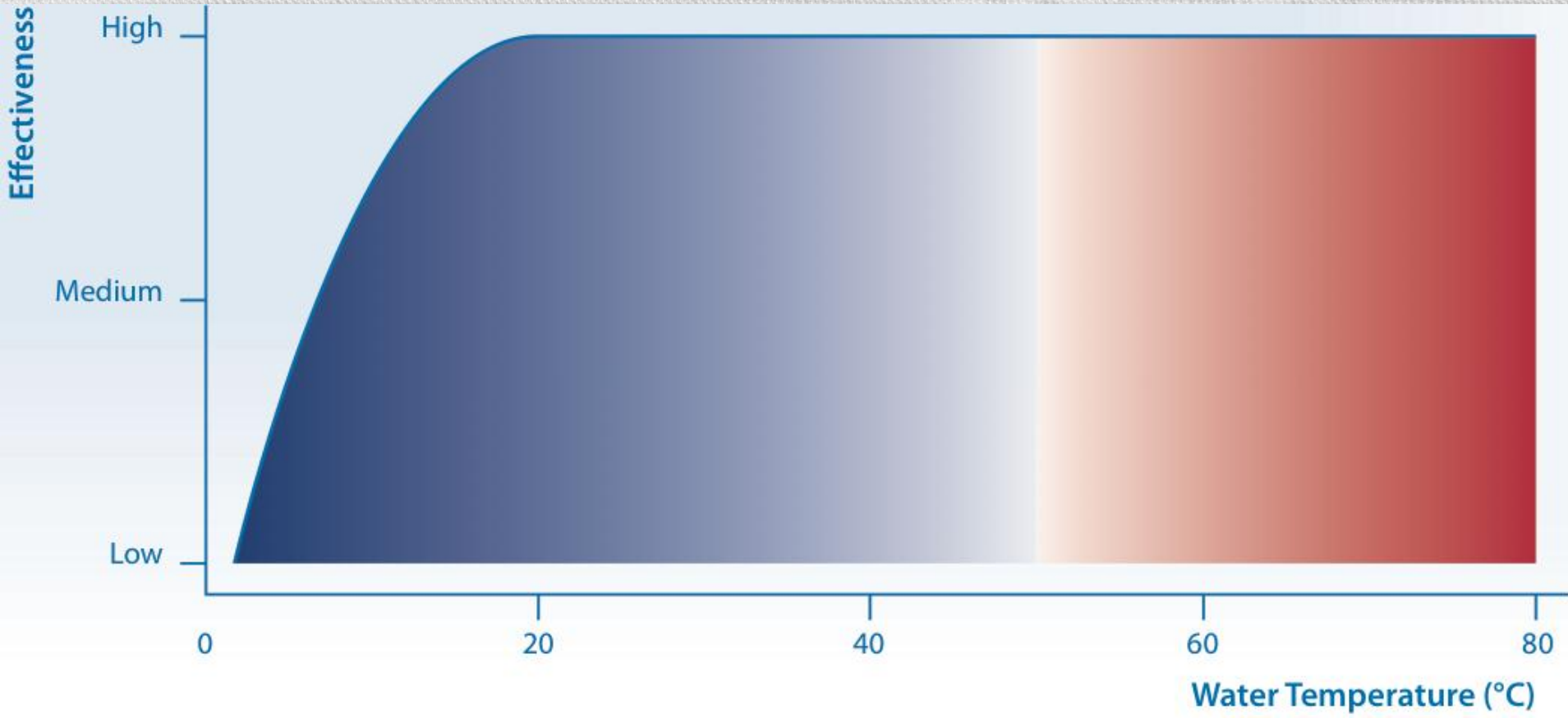
Yakıt katkıları ve Verimli yakıtların geliştirilmesi



A detailed, high-resolution photograph of a modern internal combustion engine, likely a V6 or V8. The engine is shown from a front-three-quarter perspective, highlighting the complex arrangement of components. Visible parts include the intake manifold, timing belt, various pulleys, and the engine block. The engine is mounted on a black base, and the overall appearance is clean and metallic.



Temizlik Ürünleri



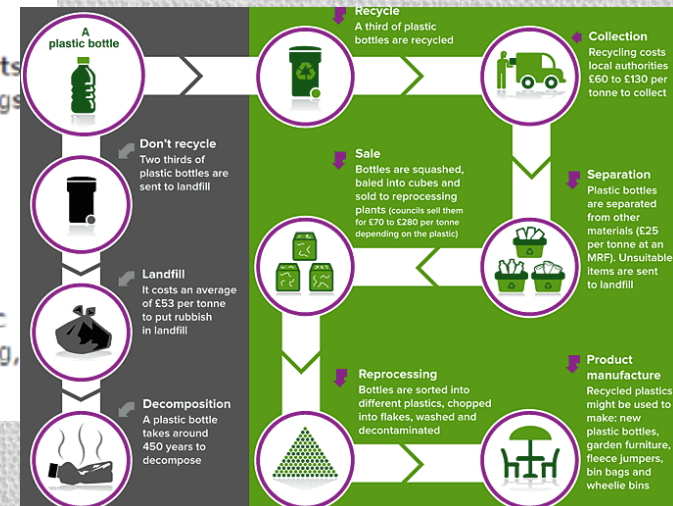
Ambalaj Malzemeleri

SPI # ²	Plastic Name	\$/Ton	Common Uses
 HDPE	High-density polyethylene	 290	Milk jugs, liquid detergent bottles, grocery bags
 LDPE	Linear low-density polyethylene	 340	Plastic films (bread bags, produce bags, shrink wrap)
 PP	Polypropylene	 370	Plastic lids, packaging, automotive, appliances, carpeting
 PS	Polystyrene	 390	Styrofoam, cold food containers, insulation, disposable plates, cutlery, automotive parts, toys, housewares, appliance parts, wall tiles, radio, TV housings, furniture, luggage
 PETE	Polyethylene terephthalate	 850	Soda bottles
 V	Polyvinyl chloride	 5100	Construction piping, plastic bottles, upholstery, flooring, wall coverings, sidings

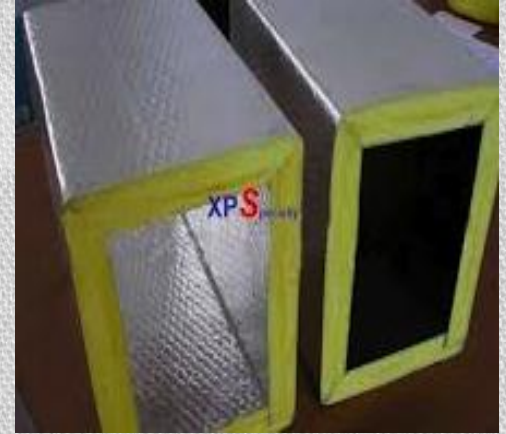
GLOBAL PACKAGING GROWTH TO 2020

	Global 2010	Global 2020	Annual
Packaging Type	Value, billion \$	Value, billion \$	% Growth
Paperboard	210	280	2.9
Rigid Plastic	144	250	5.7
Flexible Film, Foil, Paper	130	200	4.4
Metal	101	125	2.2
Glass	45	50	1.1
Other	40	45	1.2

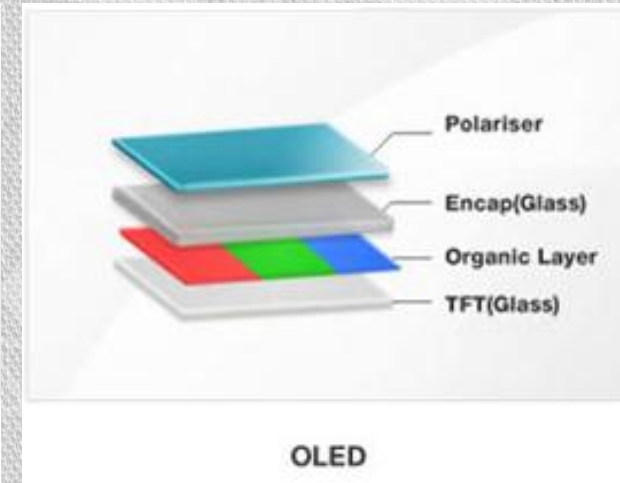
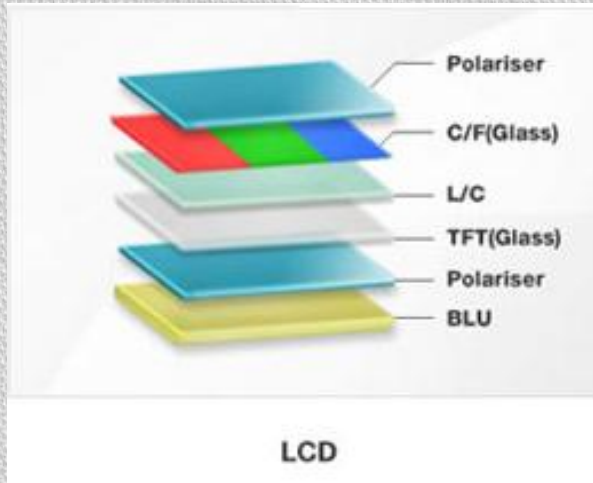
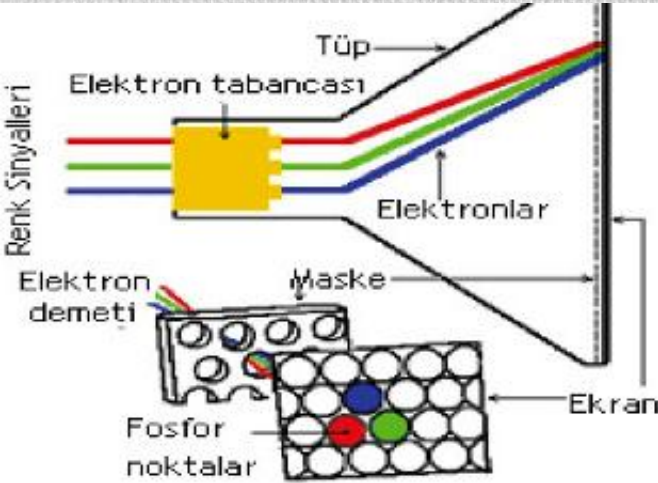
2010 Source: Pira International. Forecast: Mountaintop Economics & Research, Inc.



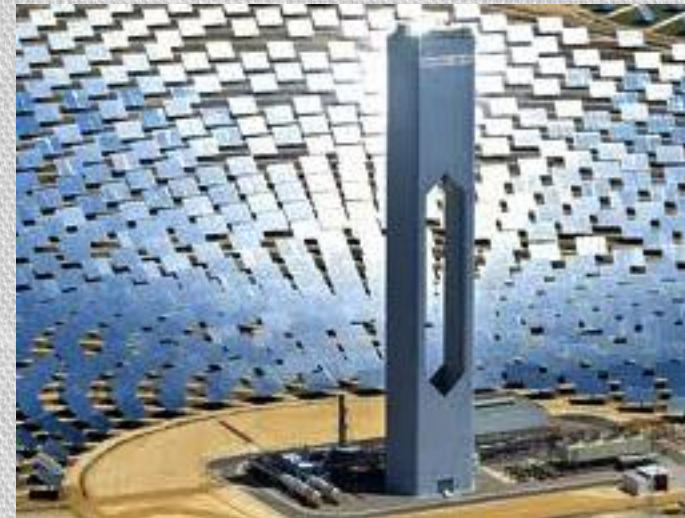
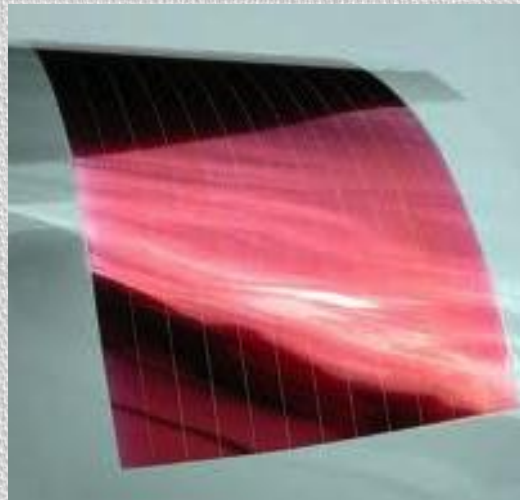
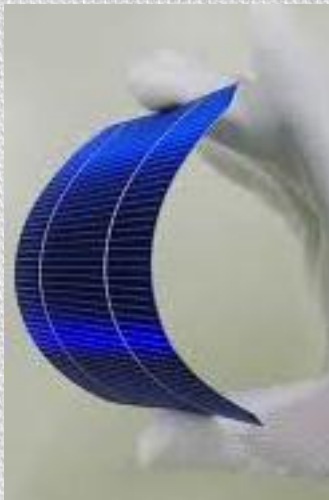
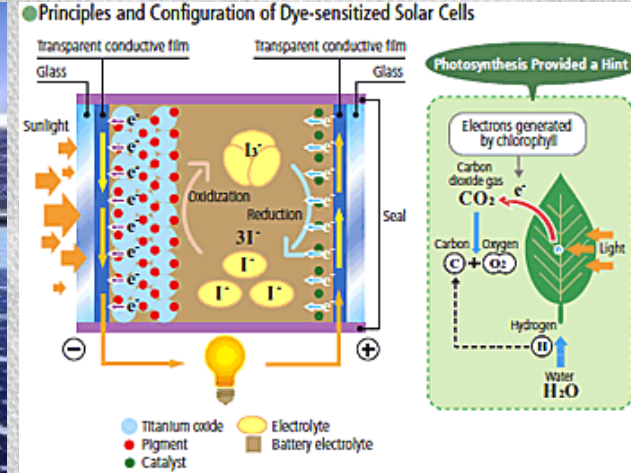
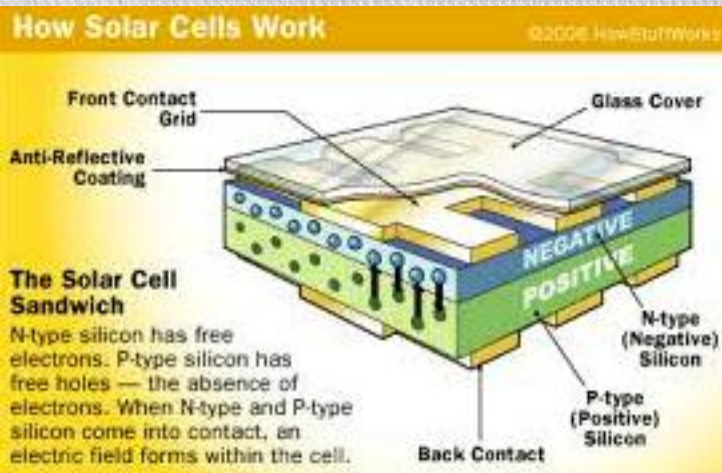
İzolasyon Malzemeleri



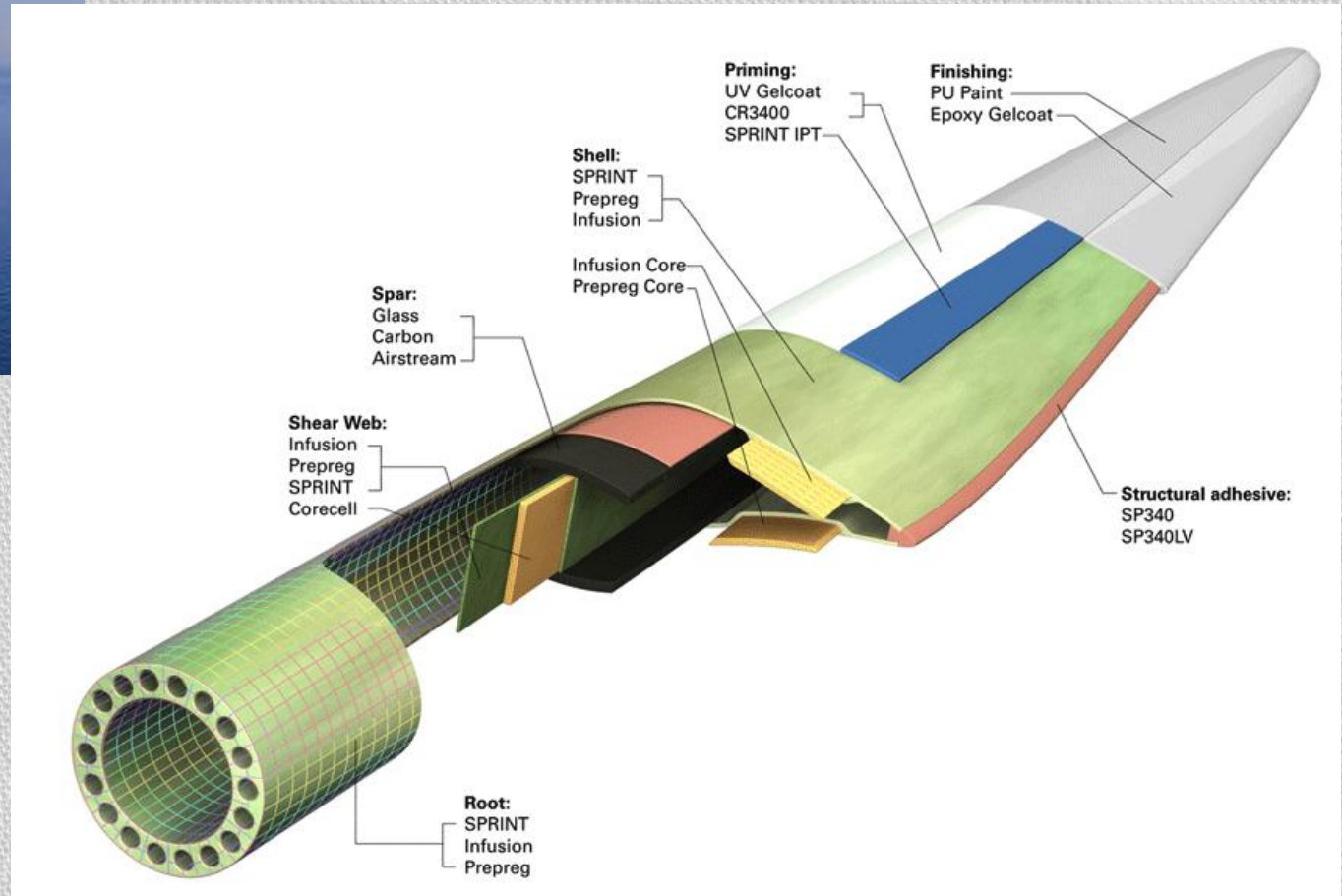
LCD, OLED Teknolojileri



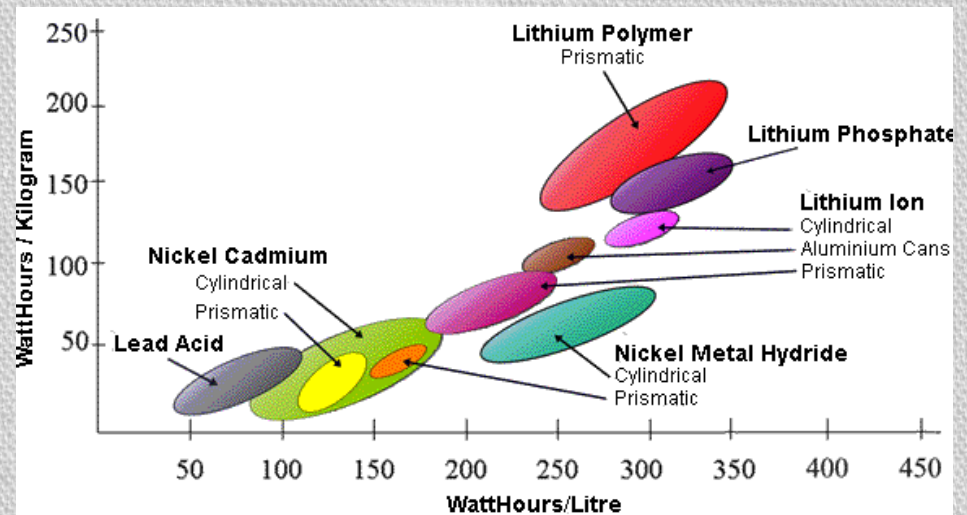
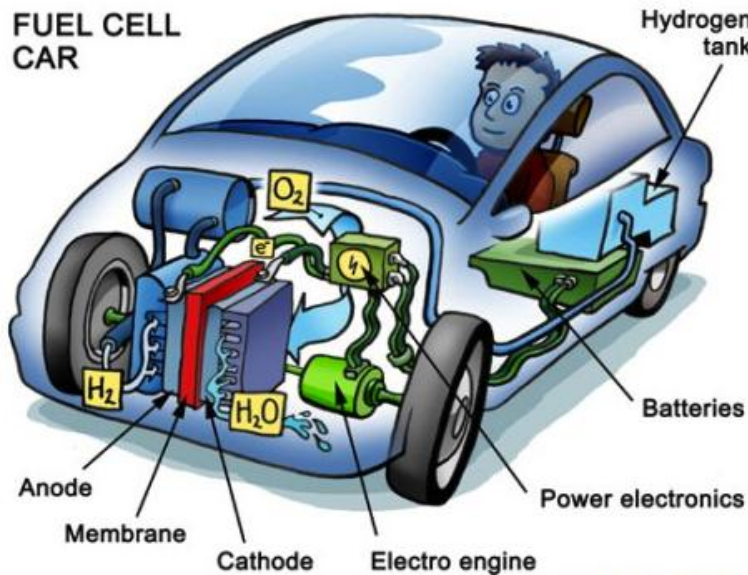
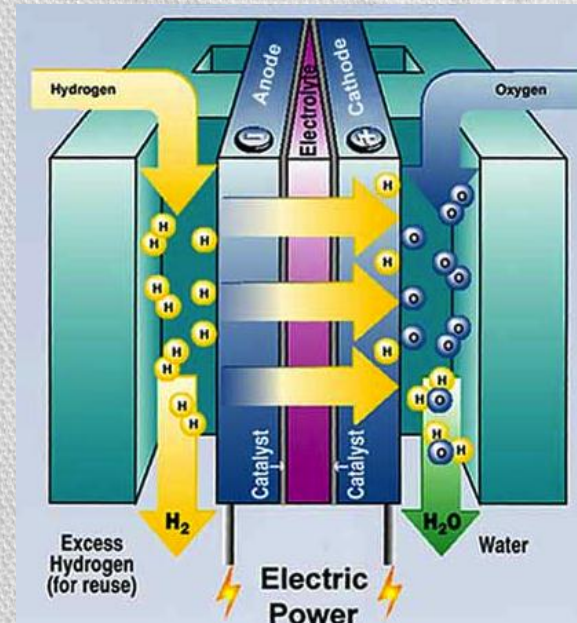
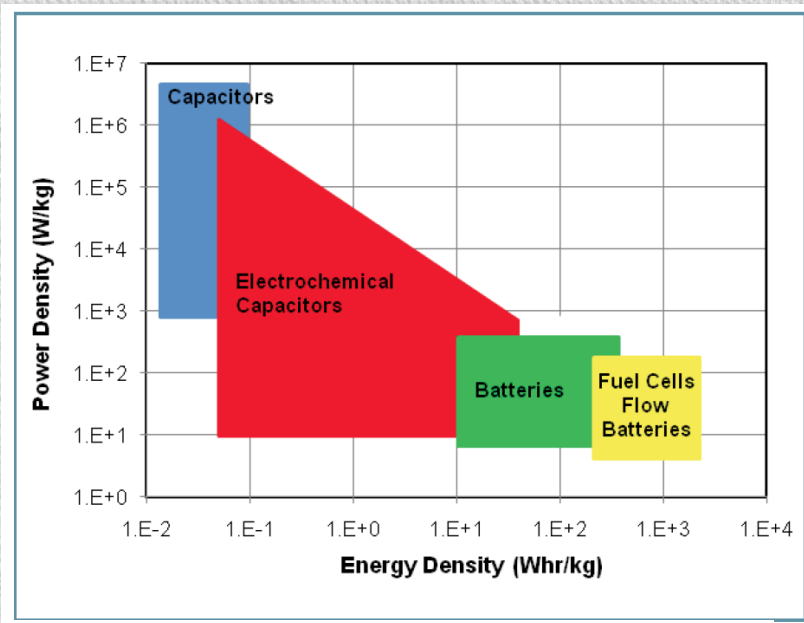
Güneş Enerjisi



Rüzgar Enerjisi



Enerjinin Depolanması



Dinlediğiniz için Teşekkürler