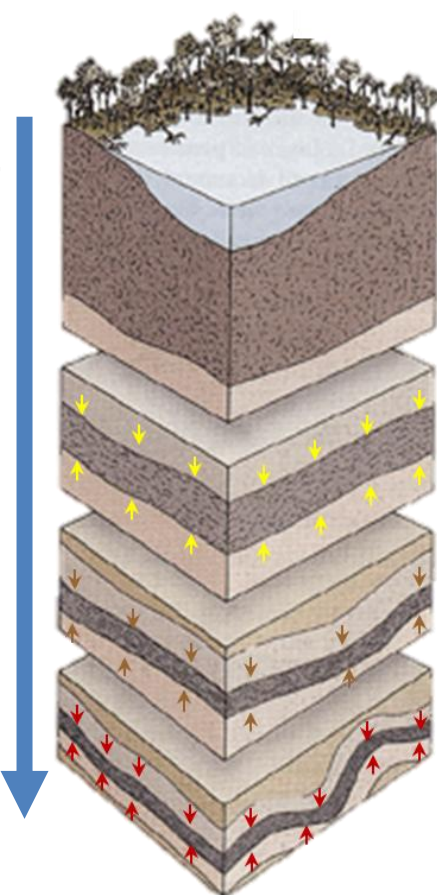


El carbón mineral

Coal

Condiciones de formación: Presión, tiempo, temperatura

Coal formation: Pressure, temperature, time



Turba
Peat



Lignito
Lignite



Bituminoso
Bituminous



Antracita
anthracite



Rango/ *Rank*

Contenido en carbono/ *carbon content*

Ordenación/ *Ordering*

Poder calorífico/ *Heating value*

Turba
Peat



Lignito
Lignite



Hulla
Bituminous coal



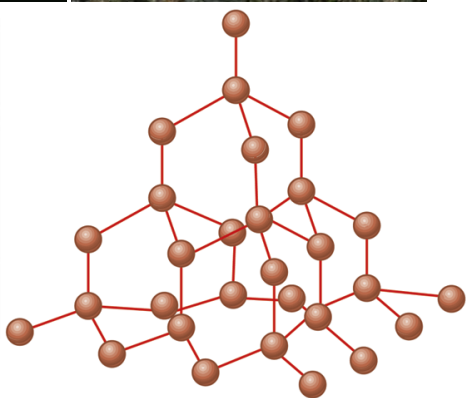
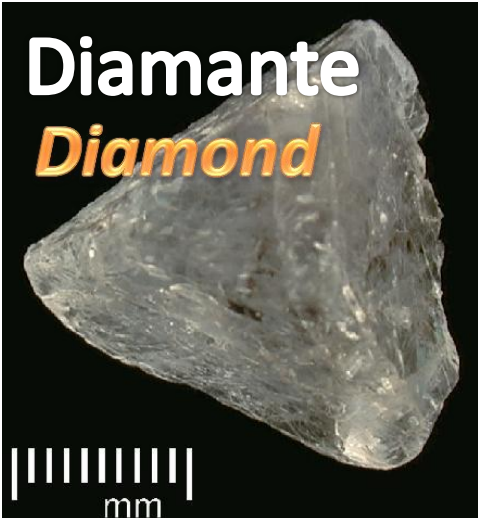
Antracita
Anthracite



Formas naturales de carbono

Carbon forms

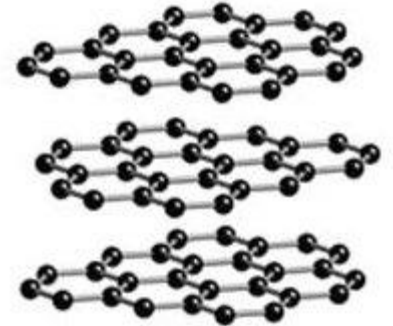
Diamante
Diamond



Grafito



Graphite



Diamante y grafito contienen únicamente carbono (C)

The only element in diamond and graphite is carbon

Carbón
Coal

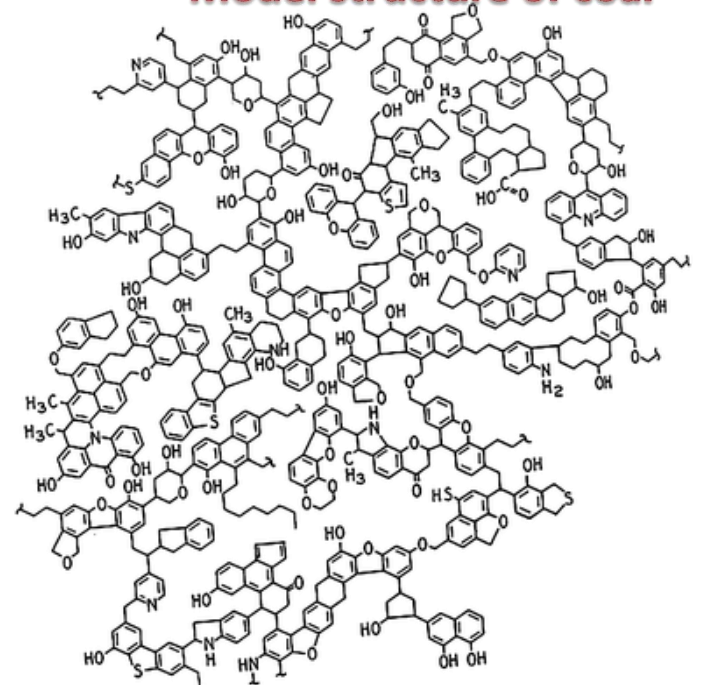


El carbón tiene una composición compleja. Contiene carbono (C) y otros elementos como azufre (S), nitrógeno (N), oxígeno (O) e hidrógeno (H)



ESTRUCTURA MODELO DEL CARBÓN BITUMINOSO

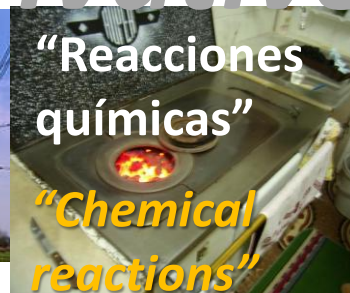
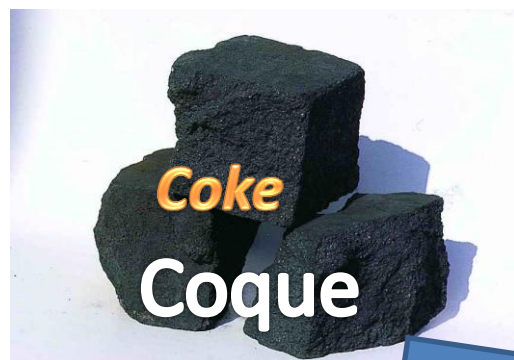
Model structure of coal



Coal has a complex composition. It contains carbon (C) together with other elements such as sulfur (S), nitrogen (N), oxygen (O) and hydrogen (H)

Derivados del carbón

Coal derivatives



Hidrocarburos líquidos y gaseosos
Liquid and gaseous hydrocarbon

Diversos materiales de carbono avanzados, combustibles (H₂, gasolinas) y productos químicos
Advanced carbon materials, fuels (H₂, petrol) and chemicals

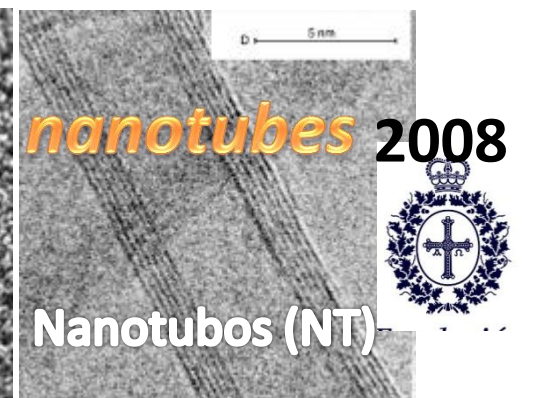
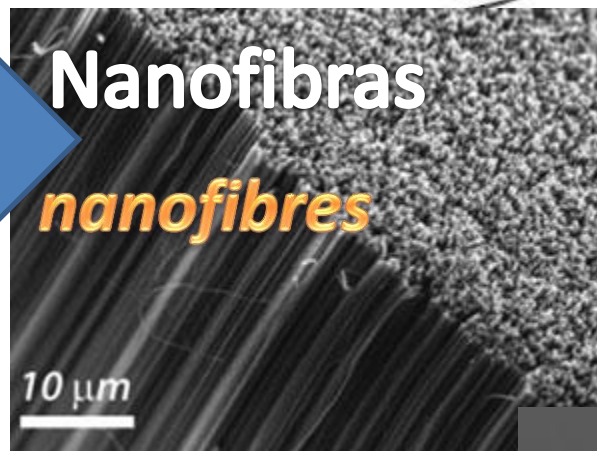
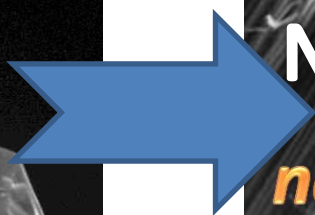
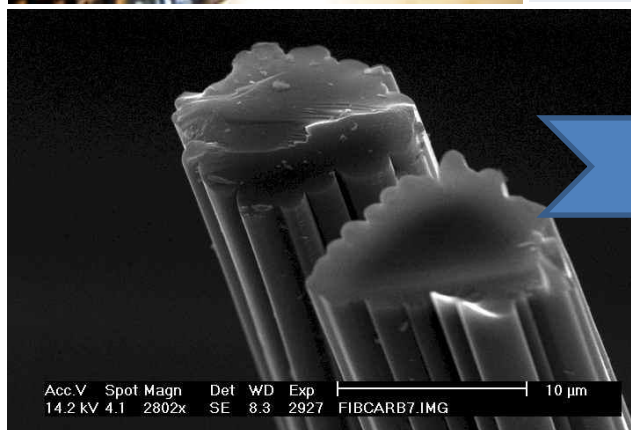


Fibras, telas, materiales compuestos carbono-carbono
Carbon fibres, carbon cloths, carbon-carbon compounds

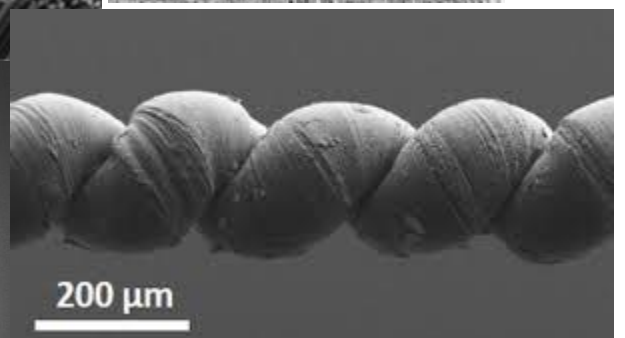
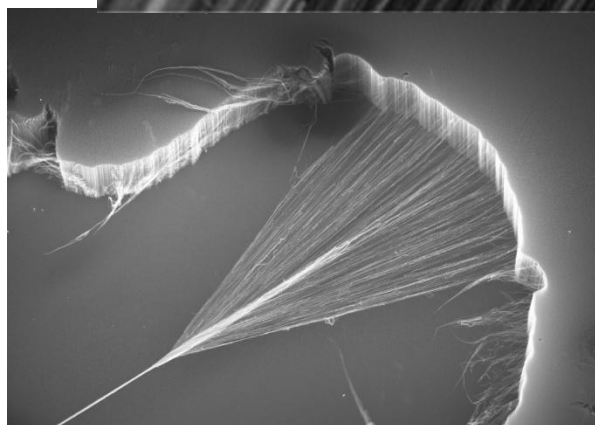
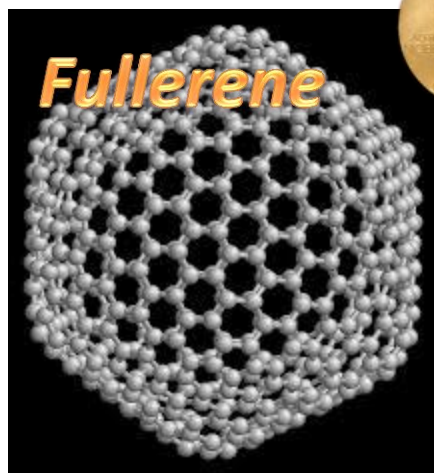
Unidad de divulgación del INCAR

Otros materiales de carbono

Carbon materials



Fullerenos 1996



Grafeno 2010



Monolitos *Monoliths*

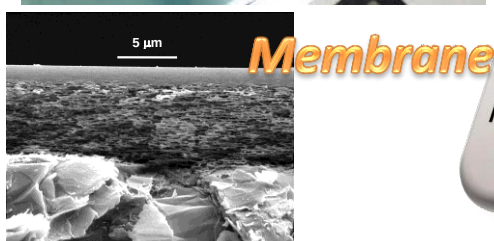


Geles *Gels*

CONFORMADO A MEDIDA



Espumas *Foams*



Membranas