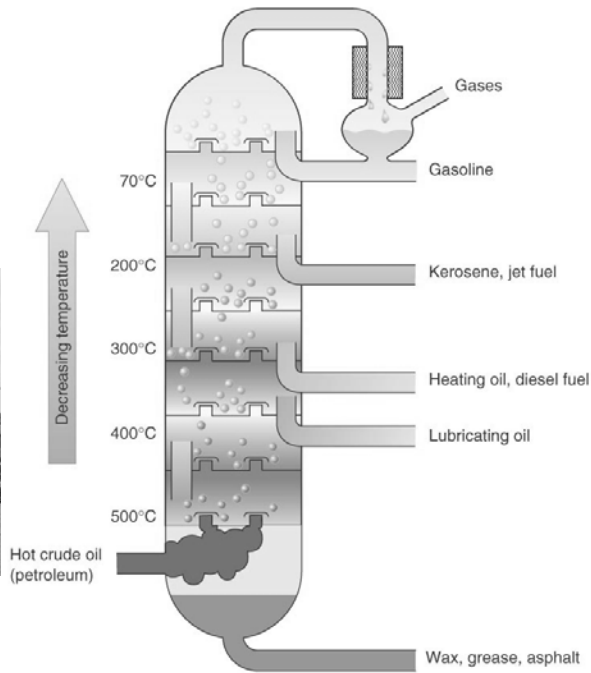


Figure 4. Schematic graph illustrating petroleum volumes and probabilities. Curves represent categories of oil in assessment. An example of how one reads this graph is illustrated by the blue and orange lines projected to the curve for economically recoverable oil. There is a 95-percent chance (i.e., probability, F_{95}) of at least volume V_1 of economically recoverable oil, and there is a 5-percent chance (F_{05}) of at least volume V_2 of economically recoverable oil.

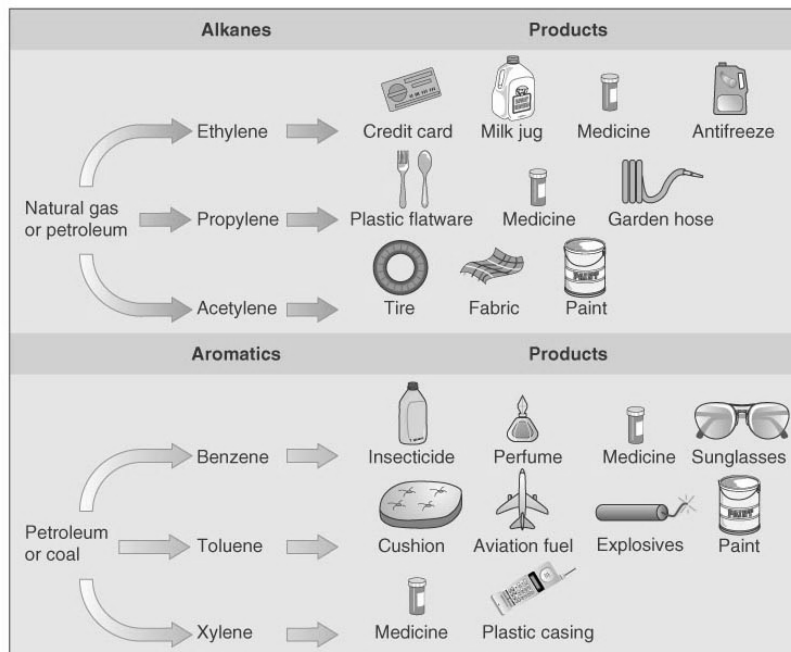
Fractional Distillation



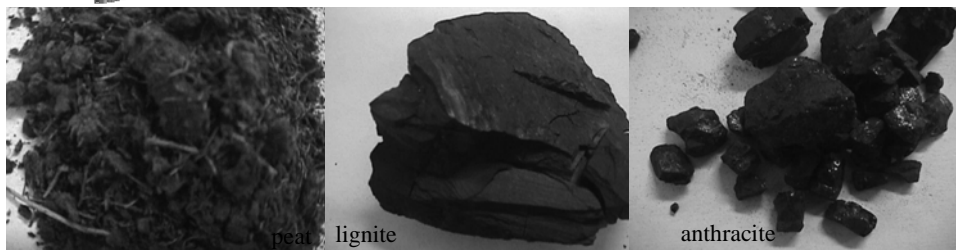
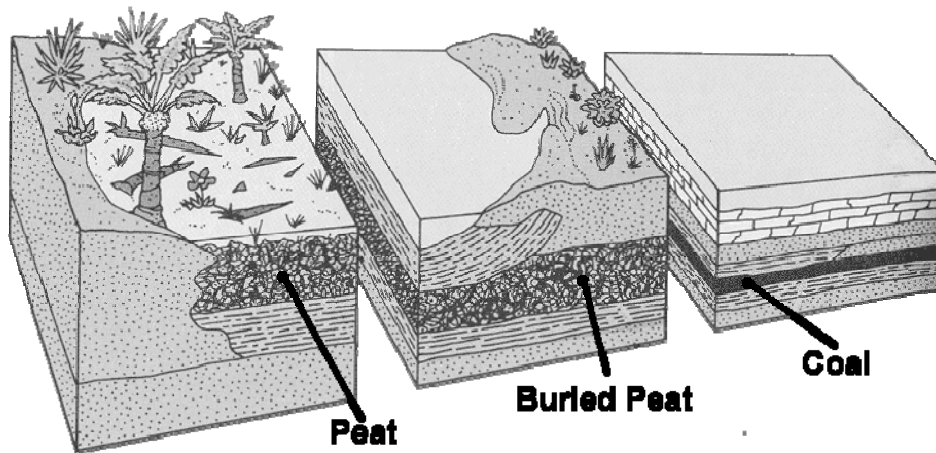
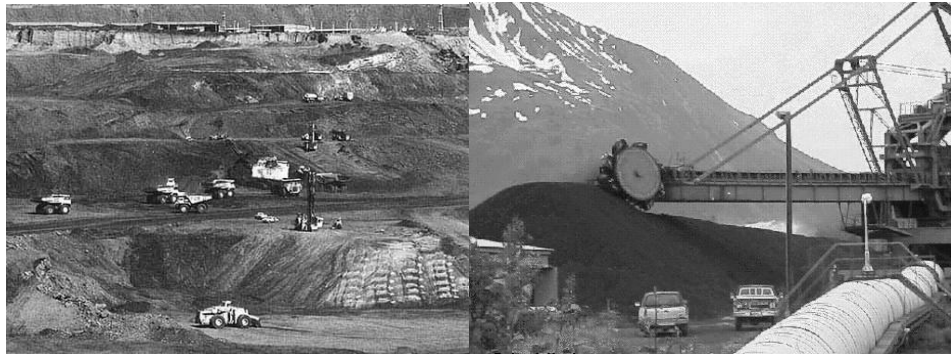
Separation of petroleum fractions in distillation tower



Non-Fuel Petrochemical Products



Coal



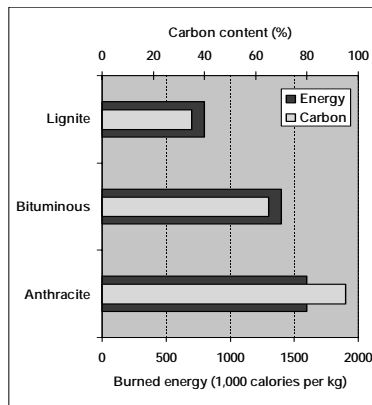
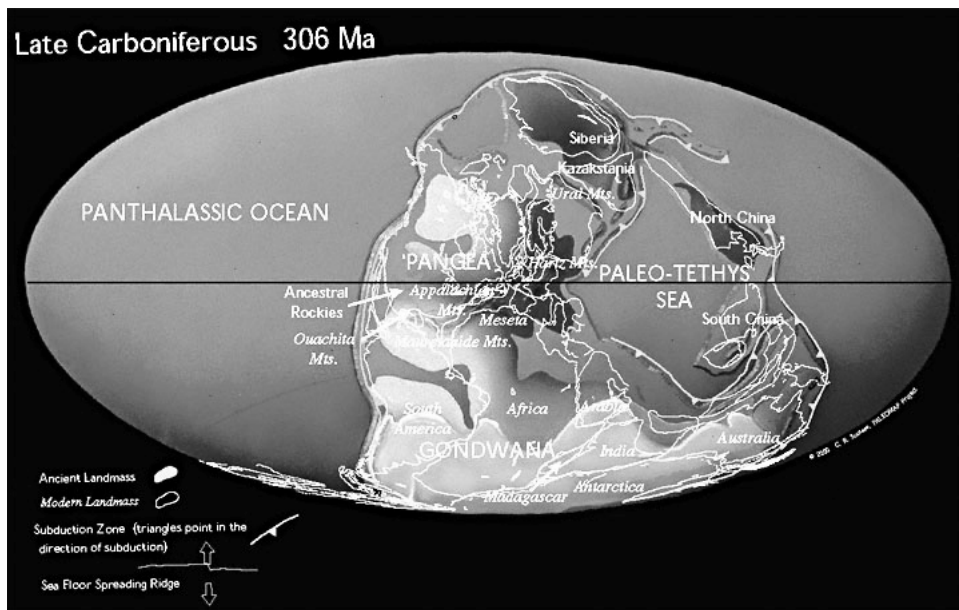


Table 12.7 Characteristics of Different Types of Coal

Type of Coal	Carbon (%)	Water (%)	Fuel Value
Peat	5	90	Very low
Lignite	30	40	Low
Subbituminous coal	40	9	Medium
Bituminous coal	65	3	High
Anthracite	90	3	High



Oil Shales



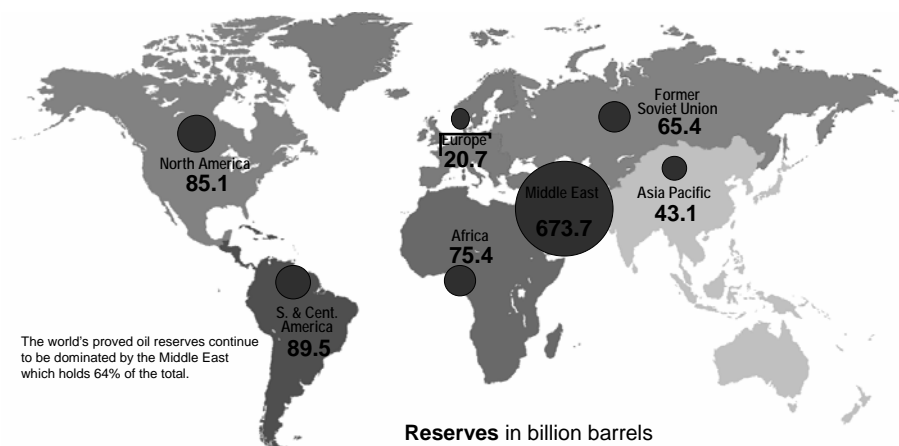
Kimmeridge Clay

Tar Sands



Athabasca, AB





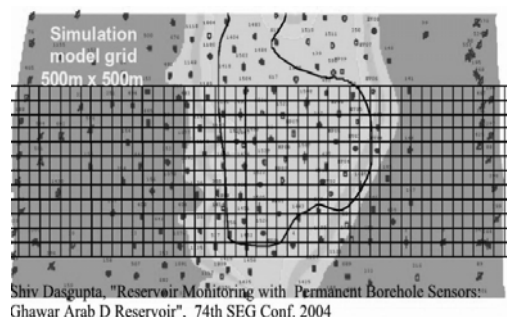
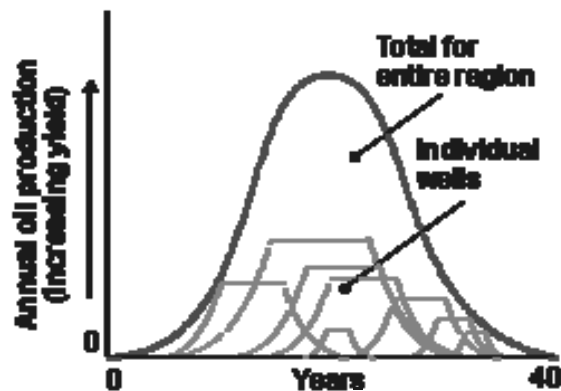
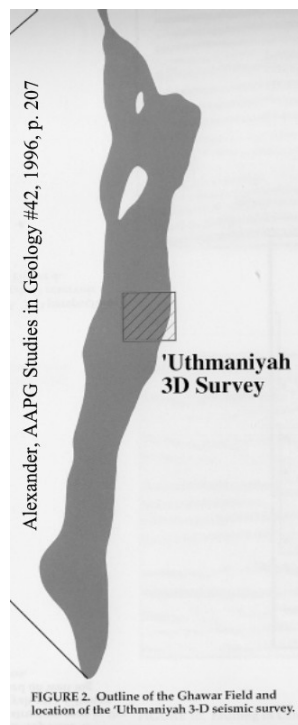
1996 consumption:

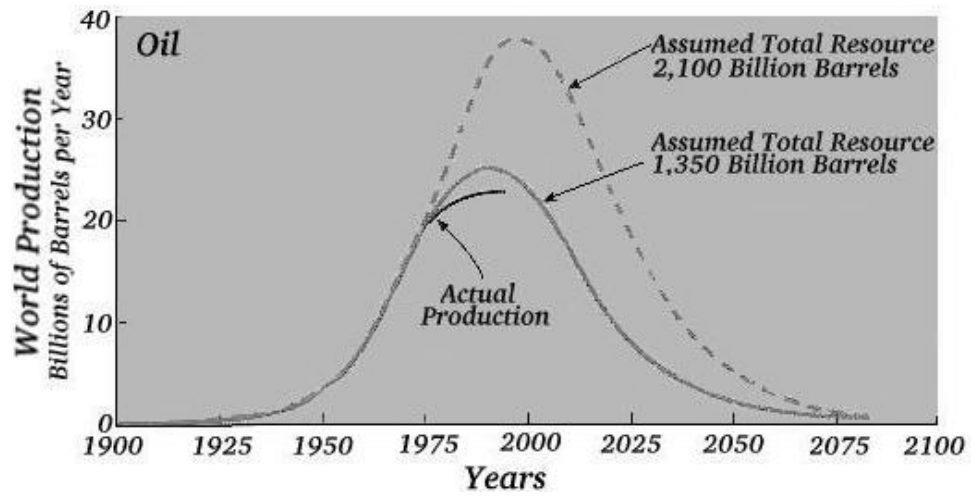
- 70% nat gas in ME, Sov. rep

oil 65 mbd, gas 82 tcf

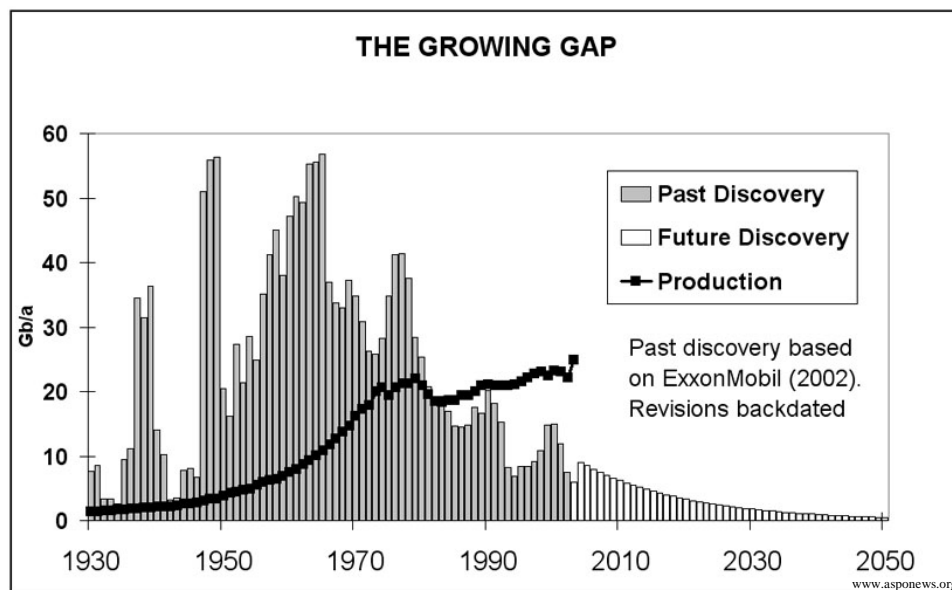
Proven reserves:

1 tril b (43 yrs), 5 quadrill cf (61 yrs)

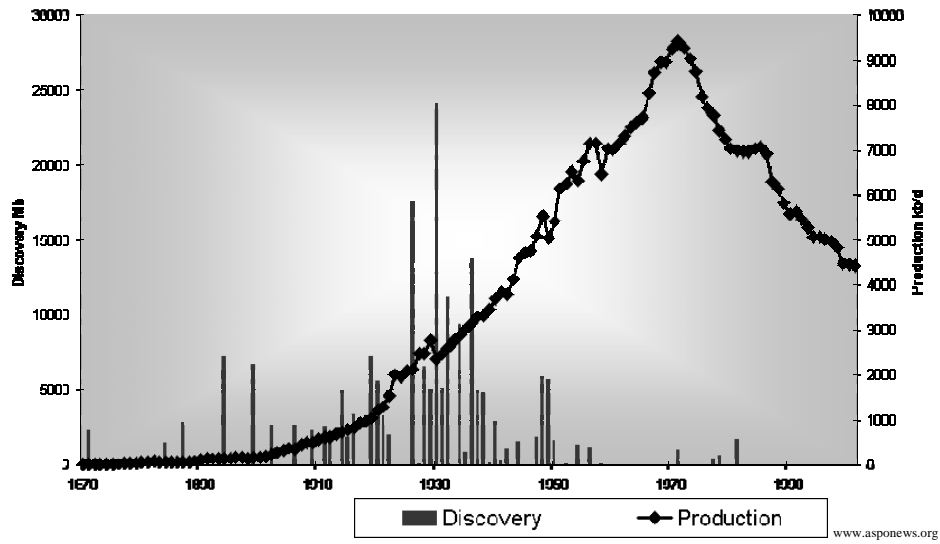




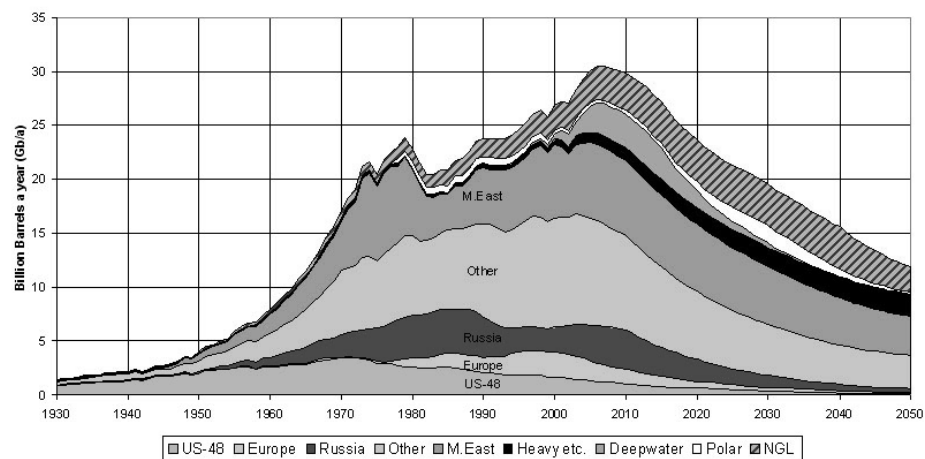
ASPO



US-48



OIL AND GAS LIQUIDS 2004 Scenario



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