

Fossil Fuels

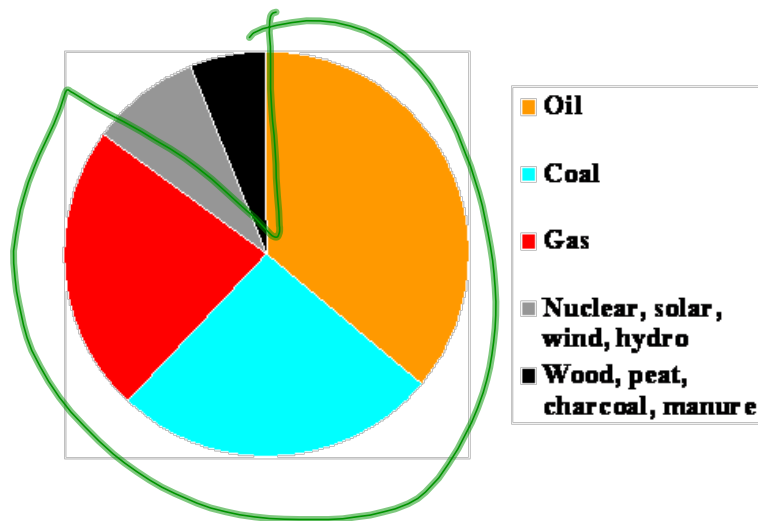
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Fossil Fuels

- Substances that are made up of the remains of Organisms that have been buried underground for millions of years
- Petroleum, natural gas, and coal
- 85% of all commercial energy in the world

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Worldwide Commercial Energy Production



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Consumption of Fossil Fuels

- The 20 richest countries consume
- 80% of the natural gas
- 65% of the oil
- 50% of the coal
- This 1/5 of the population consumes more than $\frac{1}{2}$ of the commercial energy
- The US and Canada are 5% of the world population and consume $\frac{1}{4}$ of the available energy

Each person consumes, on average as much energy in a day as a person in a poor country does in year

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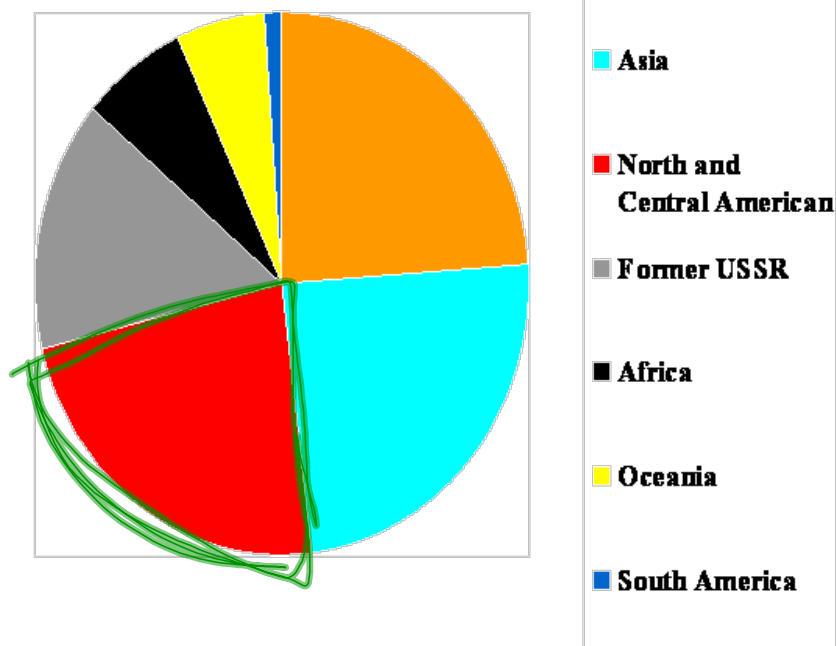
Coal

- Coal mining is hot, dirty, and dangerous.
- Untold thousands have died because of respiratory disease
- Coal burning releases radioactive and many toxic chemicals.
- Air pollutants damage humans, wild plants, animals, and buildings
- Only get 30-40 percent yield

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Coal

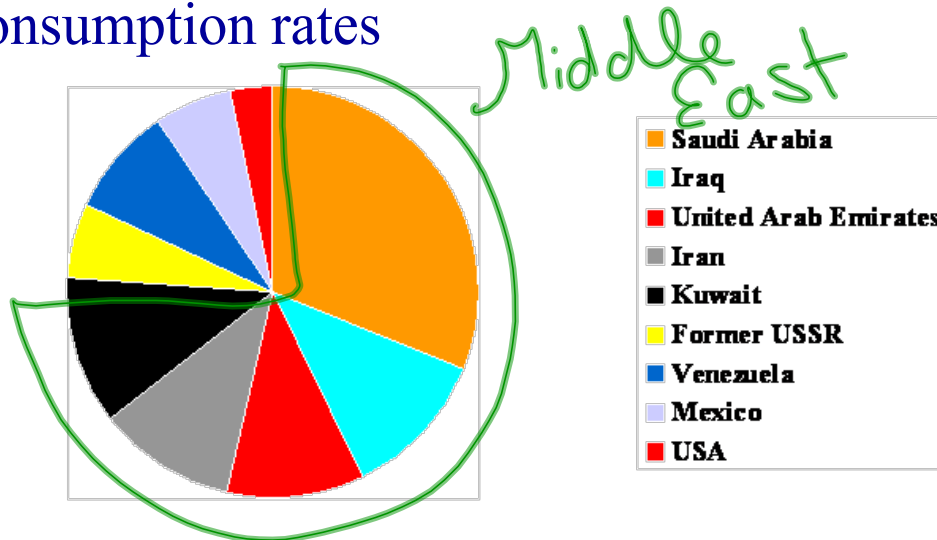
191 more years of coal



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Oil

- Half of the world oil is unrecoverable
- Enough to last 36 years at current consumption rates



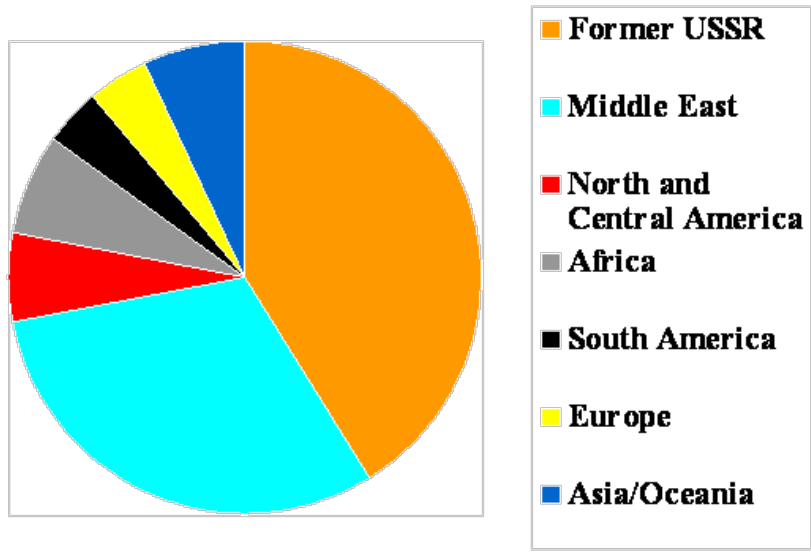
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Natural Gas

- Produces only half as much CO₂ as an equivalent amount of coal
- Gas consumption rates are only 1/2 of oil rates
- 51 years more at current consumption rates

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Natural Gas



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