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A Few Facts About Energy

- Average temperature of Earth has risen about 0.7°F in the last 10 years
- CO₂ in air has risen from ~280ppm in 1850 to ~380ppm in 2007
 - Are they related?
 - Is it good/bad?
 - Should we worry?

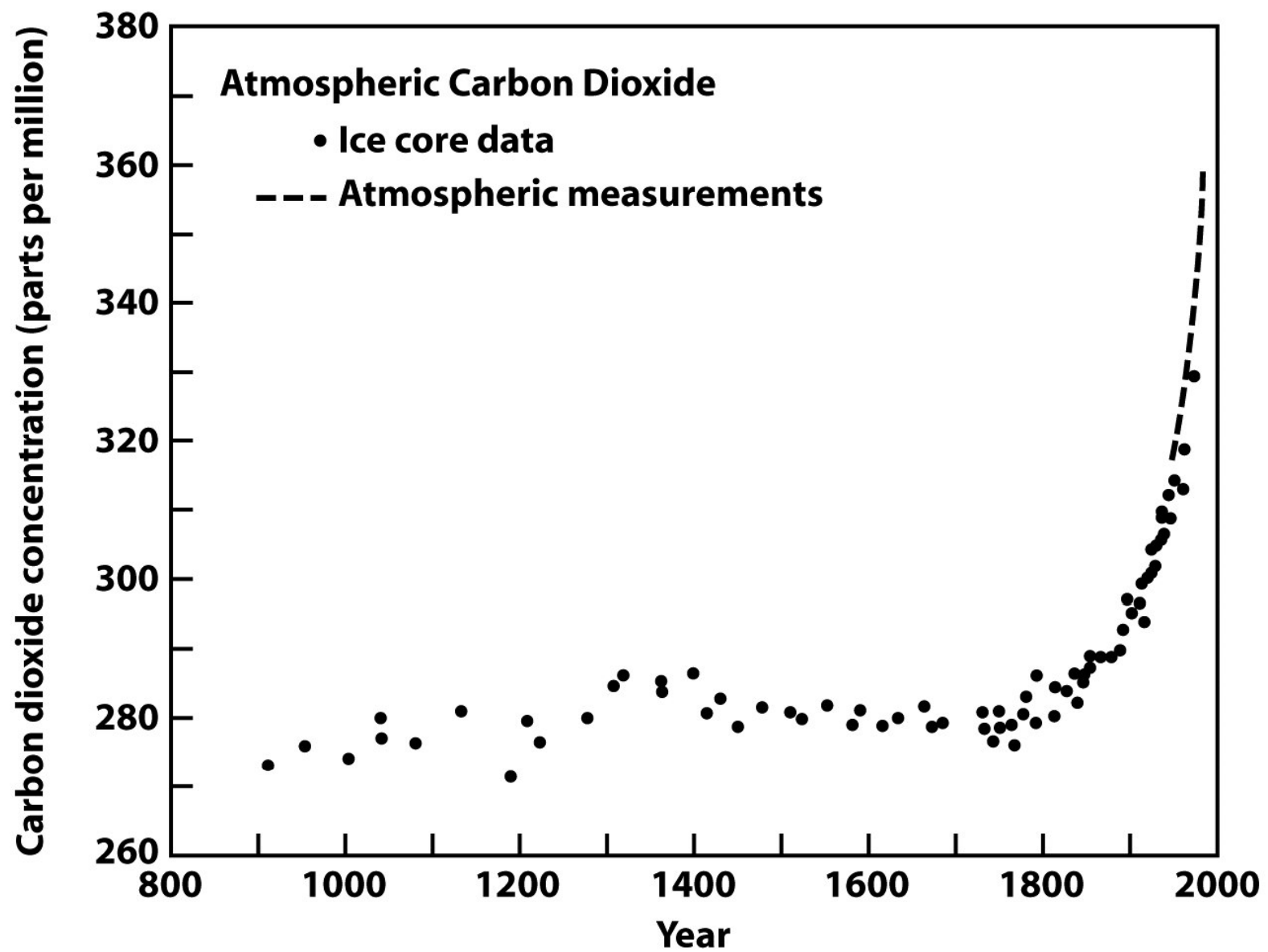


Figure 10-4 Energy and the Environment 2e
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Fossil Fuels

- COAL: US has ~25% of world's supply
(~ 250 years)
- OIL: Saudi Arabia has ~25% of world's oil
(~ 50 years??)
- NATURAL GAS: Russia has ~25% of world's supply
(~ 50 years ??)

A Few Facts about New Jersey

- NJ gets ~ 50% of its electricity from Nuclear Power
- NJ also imports electricity from Pennsylvania
- Good Read: NJ Energy Master Plan: DRAFT
 - By 2020:
 - Reduce CO₂ emissions by 20%
 - >20% of electricity from renewables



