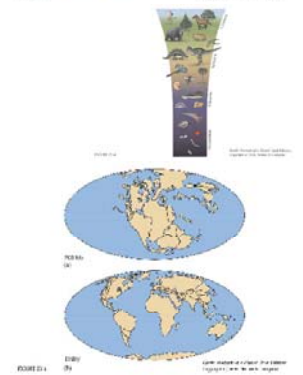
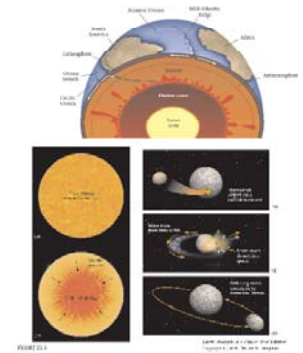


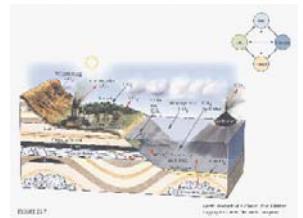
# SIO 10 Lecture #26

## Global Change in the Earth System

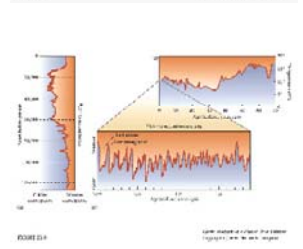
The Earth has hardly been static



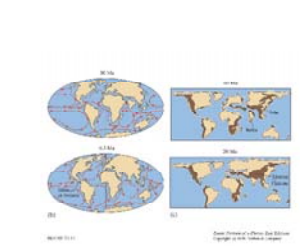
The carbon cycle



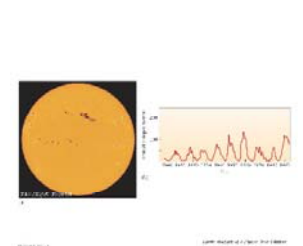
Global climate change: methods of study



Long-term changes



Short-term changes



Catastrophic changes

Anthropogenic changes

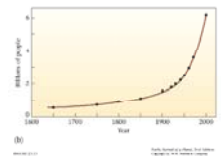
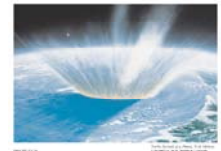


FIGURE 12.17 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

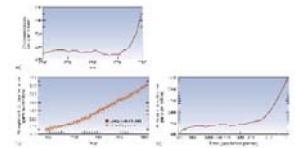


FIGURE 12.18 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

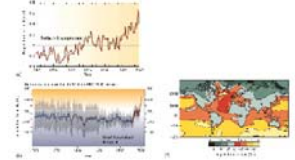


FIGURE 12.19 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

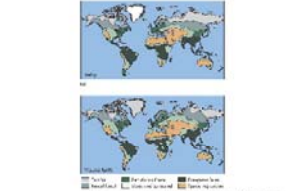


FIGURE 12.20 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

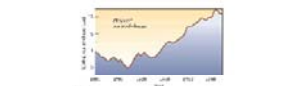


FIGURE 12.21 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

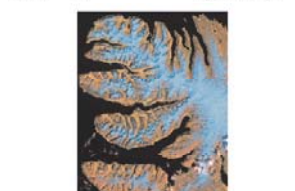


FIGURE 12.22 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.



FIGURE 12.23 Large increase in CO2 since 1850. The increase is due to the burning of fossil fuels.

There's no place like home.....