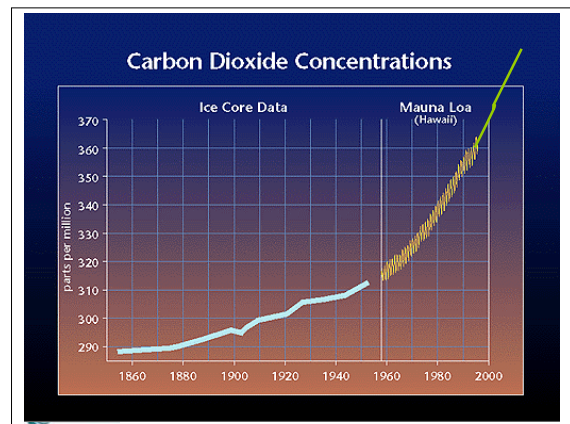
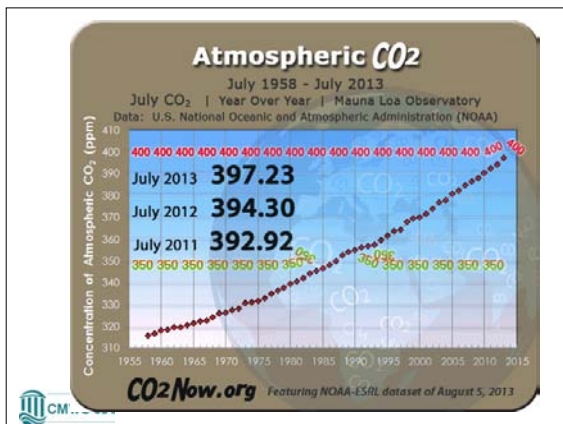
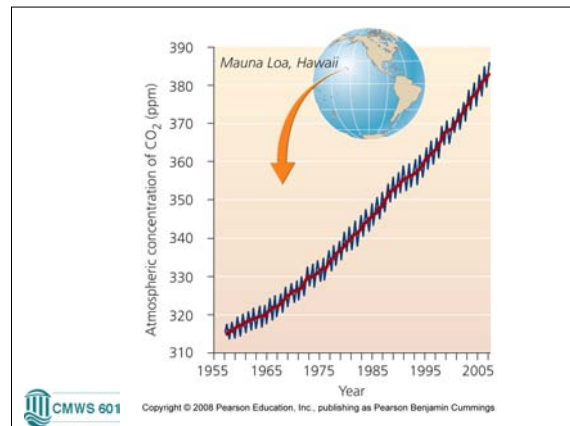
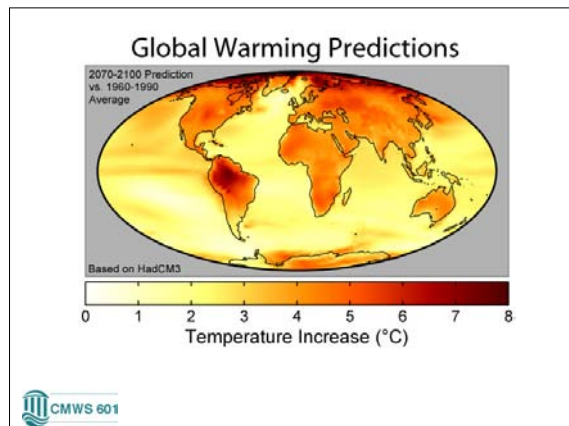
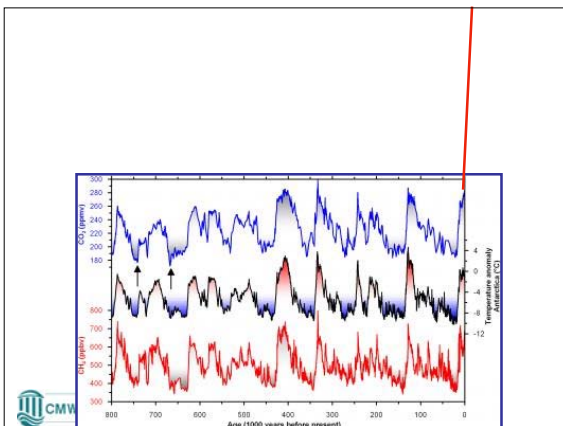
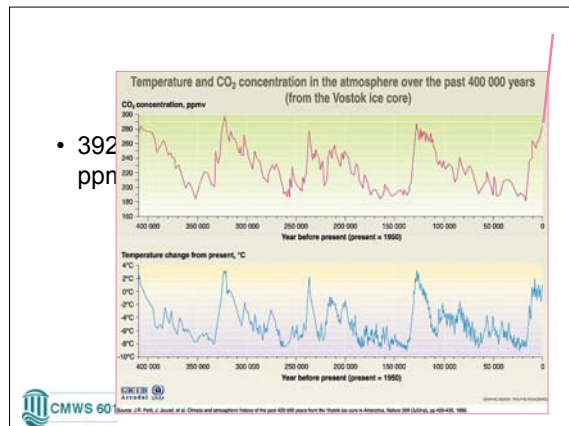
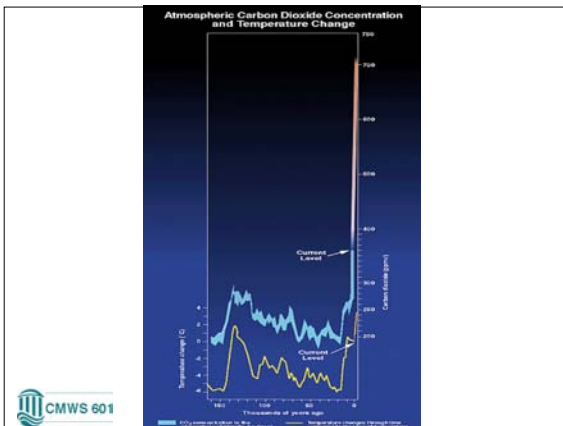
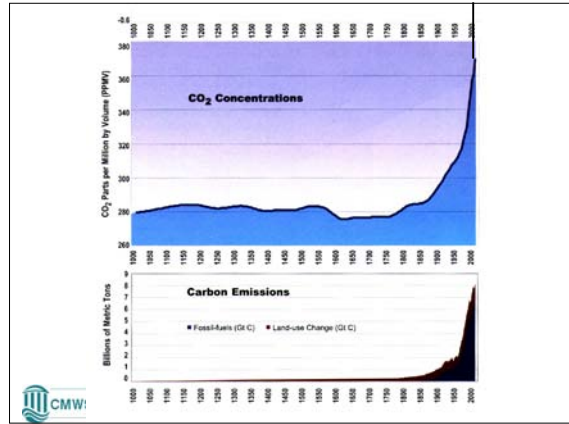
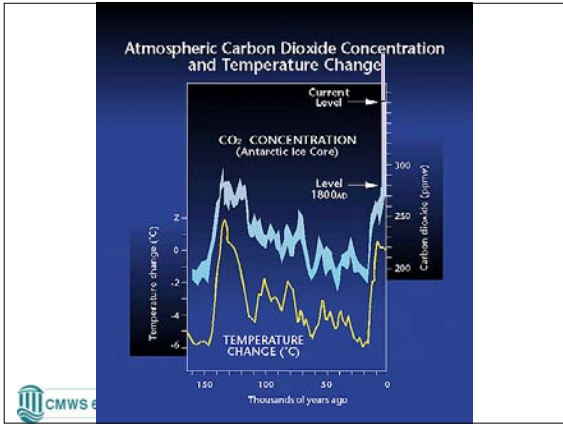


Temperature Increase

- The global average temperature rose .8°C in the 20th century. The global average temperature rose .6°C in the last 3 decades. This is the fastest warming rate in the last 1000 years.
- The 9 warmest years on record have occurred since 1998. The 4 warmest have been since 2005.
- Warmest years on record: 2010, 2005, 2009, 2007, 1998, 2003, 2002, 2012, 2011





- The observed warming last century could be largely due to natural variability, alternatively emissions of greenhouse gases from human activities may be enhancing greenhouse warming.

1st IPCC Assessment Report, 1990



- Although both natural forcings and changes in the Sun's output might be contributing to climate change, "the balance of evidence suggests a discernable human influence on climate".

2nd IPCC Assessment Report, 1995



- The 1990's were the warmest decade on record and the recent climate change is partly "attributable to human activities".

3rd IPCC Assessment Report, 2001



- Warming of the climate system is unequivocal.
- Concentrations of greenhouse gases have increased markedly as a result of human activities.
- The understanding of human impact on climate has improved since the 3rd report, leading to a 90% likelihood that the observed warming has been due to human activity.

4th IPCC Assessment Report, 2007



Comparison between modeled and observed temperature since 1860

