Name:_____

Section (9am or 12pm)

IPCC ***(Due 12/6/07 for full credit)***

Navigate to the IPCC introduction:

http://www.ipcc.ch/about/index.htm

1. What does IPCC stand for? Why was it established? When was it established and by whom?

2. How many experts' work is included in the IPCC's climate change assessments? Where are they from?

3. What prestigious international organization recently recognized the IPCC "for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change" (http://www.ipcc.ch/index.htm)?

Navigate to the report entitled “Climate Change 2007: The Physical Science Basis”

http://www.ipcc.ch/pdf/assessment-report/ar4/wg1/ar4-wg1-spm.pdf

Examine Figure SPM-3

4. What have the trends been for global average temperature, global average sea level, and Northern Hemisphere snow cover between 1850 and 2005?

Examine Table SPM-3

5. How many meters is sea level expected to rise by the decade 2090-2099 based on the A1B scenario? (Note: this does not include melting of ice sheets).

Navigate to the report entitled “Climate Change 2007: Impacts, Adaptations, and Vulnerability”

http://www.ipcc.ch/pdf/assessment-report/ar4/wg2/ar4-wg2-spm.pdf

Scroll to the section about the impacts of climate changes on Small Islands (p. 9 of 16). Three asterisks indicate that an impact is anticipated with “very high confidence”. Two asterisks indicate that an impact is anticipated with “high confidence”.

6. Summarize what three climatic impacts we can anticipate in Hawaii in the future with very high confidence.