

Name: \_\_\_\_\_

## Investigating Future Worlds with Google Earth (Part 1) Investigation Sheet

Answer the analysis questions below in complete sentences.

1. Look at the Keeling Curve. What is the concentration of atmospheric CO<sub>2</sub> in 1980 and 2010? Record your answers below.

**1980:**

**2010:**

2. Has the CO<sub>2</sub> concentration increased, decreased, or stayed the same over the past 30 years? Provide evidence for your answer.

3. Based on your Coral Reef analysis, what has happened to the reefs southwest of Jamaica between 2001 to 2010? Why do you think this has happened?

4. Record the length, width, and areas of the continuous ice sheet from the three time periods below. **Do not take into account the decimal points.** Record whole numbers only.

Year	Length (km)	Width (km)	Area (km <sup>2</sup> )
1979			
1990			
2010			

5. Analyze the continuous ice sheet area between 1979 and 2010. Are the ice sheets growing, melting, or staying about the same? Support your claim with evidence. What do you think is causing this to occur?

6. What do you think would happen to low lying islands and coastal areas with very low land elevation (less than 2 meters) during the next 100 years? Why do you think this will occur?