Carbon Cycle Exploration Assessment Sheet

Answer the questions below as you read about the Earth's systems and the atmosphere. Answer in complete sentences.

1.	In what form is carbon found in the atmosphere?
2.	In what form is carbon found in the lithosphere?
3.	How is carbon stored in the biosphere ?
4.	Where is carbon found in the hydrosphere ?
5.	How is carbon placed into the atmosphere?
6.	Name three ways that humans place carbon into the atmosphere.

7. How does carbon move through Earth's four spheres? Sketch a diagram of the carbon cycle. Include main sources of carbon in all four spheres and draw and label arrows to indicate important processes in the movement of carbon between the spheres.
8. What is the Keeling Curve?
9. Why are there high and low "wobbles" in the Keeling Curve?
10. Looking at the graph, compare the amount of carbon dioxide emissions given off in the atmosphere in the year 1400 versus the year 2000.