You are an Earth scientist who has sent a balloon with sensing equipment high up into the atmosphere that surrounds the Earth. As the balloon rose, it collected the data found in the table below.

1. What was the scientific question? (1pt)

Altitude in KM	0	5	10	12	20	25	30	35	40	45	48	52	55	60	65	70	75	80	84	92	95	100	110	120
Temperature in Celsius	15	-18	-49	-56	-56	-51	-46	-37	-22	-8	-2	-2	-7	-17	-33	-54	-65	-79	-86	-86	-81	-72	-50	-25

- 2. Make a graph of this data by plotting points. (accuracy=2pts) Be sure to label the x axis (2pts), the y axis (2pts), and to give your graph a good title (2pts). Use the graph to answer questions 3 and 4 for this lab.
- 3. How does the temperature change as you go up? (2pts)
- 4. The atmosphere has 4 major layers. Show the beginning and the end of each layer by drawing 3 horizontal lines across your graph. Where would these 3 lines go? (3pts on graph)
- 5. What did scientists use to decide how to split Earth's atmosphere into pieces?
- 6. What was the conclusion of this experiment? Use evidence to support your claim. (2pts)