**Half Life Lab I**

**Problems:**

1. **If you bite a Twizzler in ½ 5 times how can you graph the change in the height of the piece of candy after each bite?**
2. **If you make a “best fit” line of the graph, what will it look like?**
3. **How can you use a 2nd Twizzler to measure the height of the candy after biting it every 45 seconds?**
4. **How will the two graphs compare to each other?**
5. **How could you relate this to half lives?**

**Material: 2 Twizzlers and ruler.**

**Data:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bites** | **1** | **2** | **3** | **4** | **5** |
| **Ht. of**  **Twizzler** |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Time (s)** | **45** | **90** | **135** | **180** | **225** |
| **Ht. of**  **Twizzler** |  |  |  |  |  |

**Be sure to make 2 line graphs of your data.**

**Conclusion: from your notes.**