**Frequency Lab**

**Problems:**

1. **How can you make a transverse wave out of a slinky?**
2. **How can you measure the wavelength and amplitude of a transverse wave that you make out of a slinky?**
3. **How can you measure the time it takes for 10 waves?**
4. **How can you calculate the frequency?**

**Material: slinky, meter stick, stop watch,**

**Data:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Waves** | **Time** | **Freq.** | **Wave Lth.** | **Amp.** |
| **Slinky** | **10** |  |  |  |  |

**Calculations: Show your work!**

**Conclusion: ?’s from notes.**