**Measuring Waves Foldable Rubric**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

You will create a foldable that describes how to measure & label waves.

 Be sure to follow the rubric below.

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Points Available** | **Points Earned** |
| **Amplitude Flap*** Transverse definition
* Longitudinal definition
* Synonym for amplitude
* Describe resting position (transverse & longitudinal)
* How is amplitude related to energy?
 | **15** |  |
| **Wavelength Flap*** Wavelength definition
* How is wavelength related to wave energy?
 | **15** |  |
| **Frequency Flap*** Frequency definition
* Measurement for frequency
* How to generate higher & lower frequencies
 | **15** |  |
| **Speed Flap*** Speed definition
* How is wave speed calculated
* Unit of measurement for wave speed
 | **15** |  |
| **Transverse Wave Drawing*** Drawing accurately labeled with *crest, trough, amplitude, wavelength*
 | **15** |  |
| **Longitudinal Wave Drawing*** Drawing accurately labeled with *amplitude, wavelength, compression, & rarefaction*
 | **15** |  |
| **Neatness*** The finished product is neat and free of mistakes
* Color is used throughout the finished product
 | **10** |  |
| **TOTAL** | **100** |  |

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