**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** |  |

**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** |  |