**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Unit 4 Mechanical Waves – Test Reflection**

*Using your test answer sheet,* ***shade in the box below that corresponds to each answer you got RIGHT.*** *Then complete the target with how close you were in mastering the concept and write a sentence about where you are in your understanding.*

**Test Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Planning to retake: \_\_\_ Yes \_\_\_ No**

**Retake Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Objective: Mechanical Waves**

*Learning Target: I can describe the characteristics of transverse and longitudinal waves*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 13 | 20 | 23 | 24 | 25 | 29 | 30 |

**Self Reflection: Mechanical Waves**

**Did you hit the target? Why or why not? Right On 8-9 Correct  
 Close 6-7 Correct  
 Way Off 5 or Less Correct**

**Objective: Wave Characteristics**

*Learning Target: I can define and describe reflection, refraction, resonance, diffraction, and interference.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4 | 9 | 11 | 13 | 22 |

**Self Reflection : Waves Characteristics   
Did you hit the target? Why or why not? Right On 5 Correct  
 Close 3-4 Correct  
 Way Off 2 or less Correct**

**Objective: Sound Waves and Pitch**

*Learning Target: I can define and describe what can happen to pitch.*

*Learning Target: I can describe sound waves and how they move.  
Learning Target: I can explain how the human voice speaks and the human ear hears.*

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 6 | 7 | 8 | 10 | 12 | 16 | 17 | 18 | 19 | 21 | 26 |

**Self Reflection : Sound Waves and Pitch**

**Did you hit the target? Why or why not? Right On 11-12 Correct**  **Close 8-10 Correct  
 Way Off 7 or less Correct**

**Objective: Wave Calculations**

*Learning Target: I can solve the equation wave speed = wavelength x frequency for all three variables and identify their units.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 31 | 32 | 33 | 34 | 35 |

**Self Reflection : Wave Calculations**

**Did you hit the target? Why or why not? Right On 6 Correct  
 Close 4-5 Correct  
 Way Off 3 or less Correct**

**Objective: Doppler Effect**

*Learning Target: I can define the Doppler Effect and apply it to various scenarios.*

|  |  |  |  |
| --- | --- | --- | --- |
| 14 | 15 | 27 | 28 |

**Self Reflection: Doppler Effect**

**Did you hit the target? Why or why not? Right On 4 Correct  
 Close 3 Correct  
 Way Off 2 or less Correct**