**FPS – Waves Introduction Worksheet**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| --- |
| I can… |
| *Relate the properties of a wave.* |

|  |
| --- |
| ***Waves*** |
| 1. ***The illustration below shows a series of transverse waves. Label each part.***

1.
2.
3.
4.
5. Waves carry \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from one place to another.
6. The highest point on a transverse wave is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ while the lowest part is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the height of the wave.
8. The distance from one crest to the next is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 |
| 1. ***Compare the following waves.***

1. Which has the biggest amplitude?\_\_\_\_\_
2. Which has the shortest wavelength? \_\_\_\_\_
3. Which of the above has the longest wavelength? \_\_\_\_\_
4. Which has the greatest frequency? \_\_\_\_\_\_
 |
| 1. ***Draw a wave with a very high frequency and low amplitude.***
 |
| 1. ***Draw a wave with a low frequency and high amplitude.***

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