**FPS – Waves Introduction Worksheet**

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

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

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