Mr. Renwick's Physics 11
Worksheet – Frequency and Amplitude

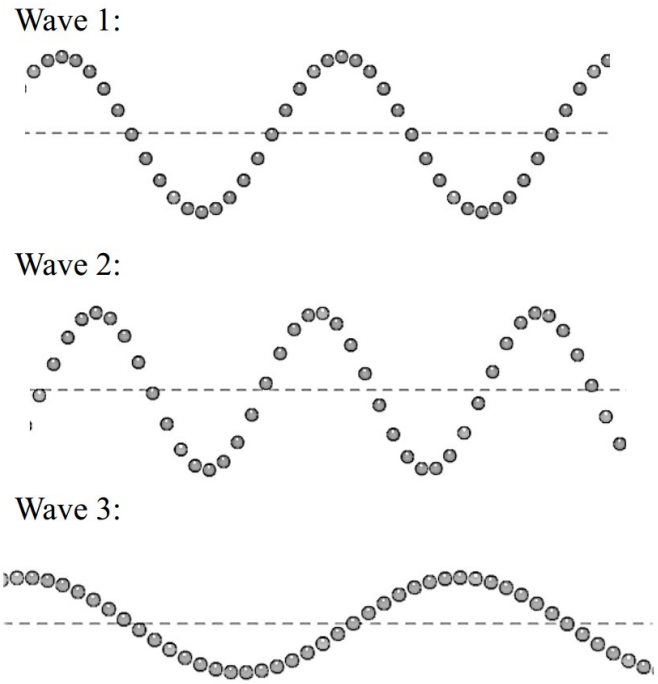
Name: _____
Block: _____

Learning Intention

- Learn about the frequency and amplitude of waves.

Questions

1. Use the 3 waveforms shown to the right to answer the following questions:



   a. How many wavelengths are in Wave 1?

   b. How many wavelengths are in Wave 2?

   c. How many wavelengths are in Wave 3?

   d. Which wave is the highest frequency?

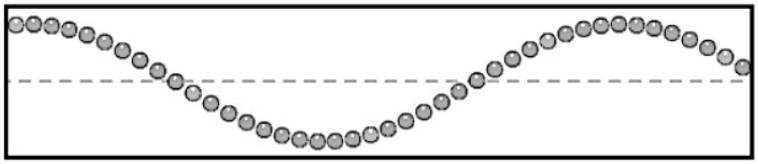
   e. Which wave is the lowest frequency?

   f. How can you tell by looking at a graph if a wave is high frequency?

See over →

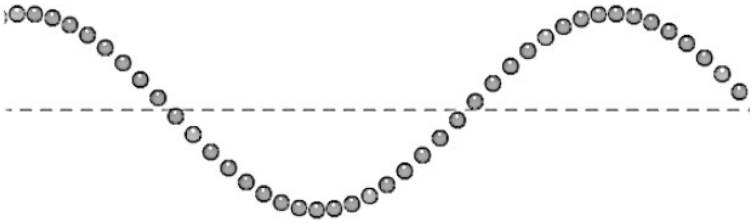
2. For each of the following questions, compare the wave's amplitude and frequency to the Reference Wave shown below. For each wave, say whether the amplitude is the same/lower/higher, and whether the frequency is the same/lower/higher.

Reference Wave



a. Amplitude:

Frequency:

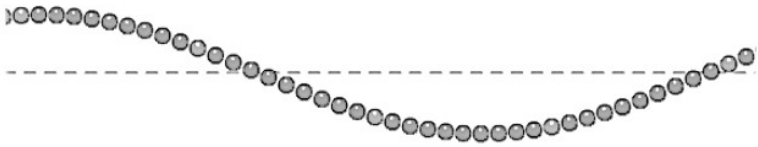


b. Amplitude:

Frequency:

c. Amplitude:

Frequency:



d. Amplitude:

Frequency: