

Wave Motion Worksheets – Write complete answers and/or solving (K-U-E-S) on a separate piece of paper.

1. Distinguish among these different parts of a wave: amplitude, crest, trough, and wavelength.
2. Distinguish between the *period* and the *frequency* of a vibration or a wave. How do they relate to one another?
3. Does the medium in which a wave travels move along with the wave itself? Defend your answer.
4. How does the speed of a wave relate to its frequency and wavelength?
5. As the frequency of sound is increased, does the wavelength increase or decrease? Give an example.

The image shows a large rectangular area with a light blue background. At the top, there is a faint, partially visible text that appears to be a question or a statement. Below this, there is a dark grey rectangular block. The overall appearance is that of a scanned document or a page from a book, with some text and a large grey area that might be a redaction or a placeholder.