

Name _____

Riding the Wave: Classifying Waves in Physics

Short Answer

1. Give an example of a mechanical wave and explain why it requires a medium to travel through.
2. Describe the motion of particles in a transverse wave.
3. Name two types of high-frequency waves and mention one practical application for each.
4. Explain how the amplitude of a wave is related to its energy.
5. Define wavelength and provide a real-world example of a wave with a short wavelength.

