

Name _____

Riding the Waves: Exploring the World of Physics

Multiple Choice Questions

1. What is a wave in physics?
 - a) A disturbance that doesn't transfer energy
 - b) A disturbance that travels through a medium, transferring energy
 - c) A disturbance that only moves the medium without transferring energy

2. Which type of wave requires a physical medium to travel through?
 - a) Electromagnetic wave
 - b) Mechanical wave
 - c) Transverse wave

3. What is the highest point of a wave called?
 - a) Trough
 - b) Amplitude
 - c) Crest

4. Which type of wave is used for communication through mobile phones?
 - a) Sound wave
 - b) Radio wave
 - c) Light wave

5. What unit is used to measure the frequency of a wave?
 - a) Hertz (Hz)
 - b) Meters per second (m/s)
 - c) Newton (N)

