

Name _____

Riding the Wave: Exploring the Main Properties of Waves

Multiple Choice Questions

1. What is the main property that determines the color of light waves?
 - A) Wavelength
 - B) Frequency
 - C) Amplitude
 - D) Speed

2. Which property of a wave measures how tall or high the wave is?
 - A) Frequency
 - B) Speed
 - C) Wavelength
 - D) Amplitude

3. What does frequency measure?
 - A) The distance between wave peaks
 - B) The rate at which a wave travels
 - C) The number of wave cycles per second
 - D) The direction of wave motion

4. In which type of wave do particles of the medium move parallel to the wave's direction?
 - A) Transverse wave
 - B) Longitudinal wave
 - C) Electromagnetic wave
 - D) Mechanical wave

5. What property of a wave depends on the type of medium it travels through?
 - A) Amplitude
 - B) Speed
 - C) Wavelength
 - D) Frequency

