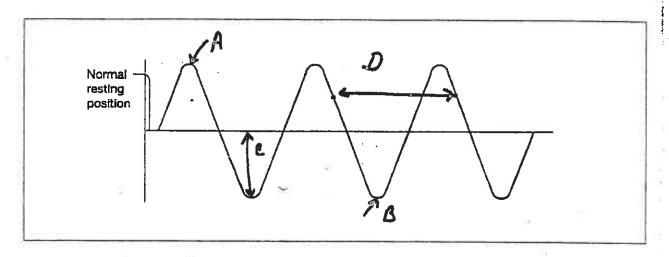
SCIENCE 9 LAB CHARACTERISTICS OF WAVES

INTRODUCTION: All waves have amplitude, wavelength, and frequency. You will be using this lab to identify wave characteristics.

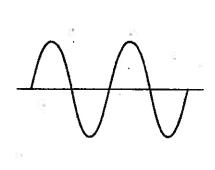
Building Vocabulary Skills: Identifying Wave Characteristics

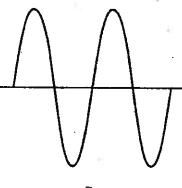
Label the basic characteristics of a wave on the diagram below. Then write a definition of frequency.

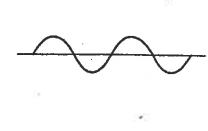


Frequency is				
		9.		
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<u> </u>	ii)			
	133		Ĭā =	

1. Which of the following three waves carries the most energy? Which carries the least? How can you tell?







A

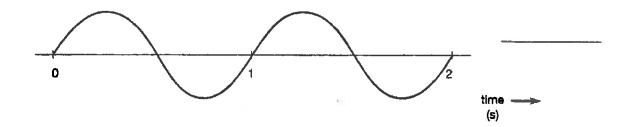
3

ĸ.	

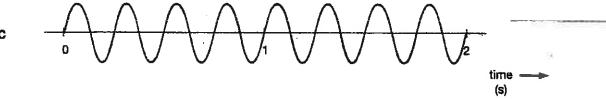
2. Determine the frequency of each wave.

A 0 time (s)

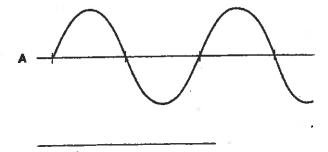
В

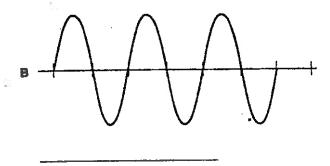


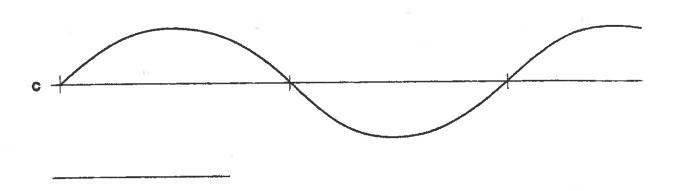
C



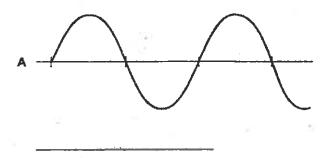
3. Use a ruler to determine the wavelength of each wave.

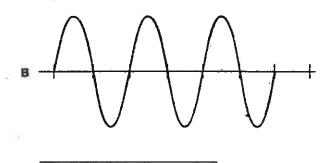


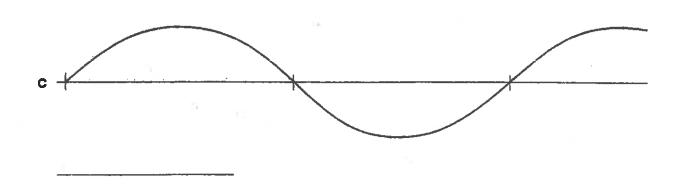




4. Use a ruler to determine the amplitude of each wave.







5. Draw a diagram of a wave with a frequency of 8 Hz, am amplitude of 3 cm and a wavelength of 3.5 cm.

Draw a diagram of a wave with a frequency of 4 Hz, an amplitude of 6 cm and a wavelength of 4 cm.