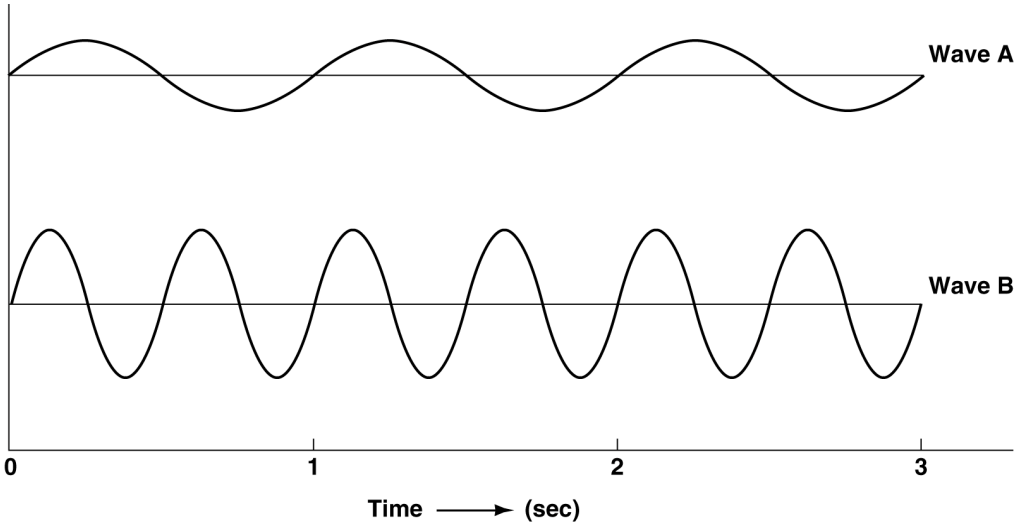
Name _____ Class _____ Date _____

Properties of Waves

Enrichment Activity

Skills: *interpreting graphs, calculating*

PART A The graphs below show the properties of two different waves. Study the graphs. Then, answer the questions.



1. Which wave has the greater amplitude? How much greater? _____

_____

2. Which wave has the greater wavelength? How much greater? _____

_____

3. Which wave has the greater frequency? State the frequency of this wave in hertz (Hz) and in waves per second. _____

4. State the frequency of the other wave. _____

5. Which wave do you think has the greater speed? Why? _____

_____

PART B Complete the table.

Speed (m/s)	Frequency (Hz)	Wavelength (m)
140	2	**1.**
140	**2.**	140
60	**3.**	30
4.	1	60
5.	2	200
400	1	**6.**