Name: F	Per.: Chemistry			
Waves Worksheet				
1. In the space below, draw a longitudinal wave and label its wavelength and ampli	itude.			
2. In the space below, draw a transverse wave and label its wavelength and amplitu	ıde.			
3. Now draw a transverse wave that has a longer wavelength but the same amplitude the one in question 2 above.	de as the			

4. Now draw a transverse wave that has the same wavelength but a larger amplitude than the

the one in question 2 above.

5.	What is a real-world example of a longitudinal wave?		
6.	What is a real-world example of a transverse wave?		
7.	What is the formula that relates the wave-speed, wavelength, and	frequency?	
8.	What are the units for A) Wave-speed?	8A)_	
	B) Wavelength?	8B) _	
	C) Frequency?	8C)_	
9.	Use your algebra skills to solve your equation for A) Wavelength:		
	B) Frequency:		
10.	What is the symbol and its name for  10A) wavelength? _	(symbol)	(name)
	10B) frequency? _	(symbol)	(name)