Item:	Reading G	Guide: Characteristics of Wave	S	Name:
1. There are two types	of mechanical waves: 1	1)		
() and 2)		_·	
2. In	waves, the		move in a direction	
	_ to the direction in wh	ich the wave travels.		
Example of longitudina	al wave from your inves	tigation:		
3	waves are		waves.	
4. The waves that you	made with the	are		waves.
	waves have vib	orations that are	or	
	to the direction i	n which the waves travels.		
5	waves are	w	vaves.	
6. Both waves transfer		The wave carries		_through a
	, and the energy is	to	whatever the	wave touches.
7. Waves transfer		but does not transfer		·
8. After a wave passes	through a	, the		returns to where
it was before the wave	e passed.			
9. Define amplitude fo	r both types of waves:			
<u>transverse wave</u>		<u>longitudinal w</u>	<u>rave</u>	
10. Draw what a trans	verse wave looks like be	elow and label:		
11. Draw what a longit	tudinal (compressional)	wave below and label:		
12. Define the following	ng (do NOT write the de	finitions in blue boxes, use v	your own word	ds/words from the

Crest Trough wavelength compressions

paragraphs):

13. The	of the wave i	of the wave is the number of		each second.		
14. Scientists measure	in	·				
15. The point of the	movement	movement away from the position is called the				
of a wave. In a		wave the amplitude is the		_ of the		
In a		wave, amplitu	ide is measure of how			
the cor	npressions are. The amp	olitude of a wave is a	a measure of			
	is used to produce th	ne wave.				
16. The of a v	vave is measured the sa	me way the speed c	of	Often		
wave speeds are given in	per	(m/s).				
17. Waves tend to travel at	speed through	ı a medium.				
18. Reflection means to	from a hard surface. Because waves carry					
when a wave	back, the	back, the in the wave is also				
Stop and Think Questions:						
1)						
,						
2)						
-1						
3)						
•	ure example of each of th	ha fallowing words t	than an the BACK of one	h card you		
Using index cards, DRAW a pictu will write the word and its descr	·	ie ioliowing words t	then on the back of eac	ii caru you		
Example of the card:						
FRONT of index card	ВАСК	of index card				
	147	ORD	Words to use: long			
	VV		(compressional) war transverse wave, an			
PICTURE	DEFINITION	/DESCRIPTION	crest, trough, wavel	ength,		
			reflection	• •		