Naı	me:		117 D •	TX 7 1 1 4		
Dat	te:	_ Period:	Wave Review	worksneet		
Wo	ord Bank: Match each ter	m with the sentence below				
Electromagnetic Wave		Medium Matter				
Mechanical Wave		Crest	Compress	Compression		
Longitudinal Wave		Trough	Rarefaction			
Transverse Wave		Energy	Waveleng	gth		
	: The highest po	int of a transverse wave				
	: The area in a lo	ongitudinal wave where the	particles are close toge	ether.		
	: The ability to n	nove or change an object, o	or what a wave carries.			
	: A wave that is caused when energy causes a vibration thru a medium.					
	: Type of mechanical wave in which the energy runs at right angles to the wave.					
	: Type of mechanical wave in which the energy flows parallel to the wave.					
	: A wave that can travel through empty space, like light waves					
	: The lowest poi	nt of a transverse wave.				
	: Area in a longi	tudinal wave in which the p	particles are spread out.			
	: The material th	rough which a mechanical	wave travels.			
Re v	view Questions: Answer of What is a medium? Gi	=				
2.	Draw a transverse wave	e in a string and label all fi	ve parts.			
3.	Draw a longitudinal wa	ive in a spring and label all	three parts.			
4.	Draw a spring in equili	brium.				
5.	How does a particle in	a surface wave move?				
6	What is the difference 1	naturaan a maahanisal	a and an Electromacous	tio waya ⁹		
6.	What is the difference between a mechanical wave and an Electromagnetic wave?					

7.	What is frequency and how is it measured?					
8. G	Calculate the wave speed of a wave to meters. Show GUESS.	hat has a frequence E	cy of 5 Hz and has a s	wavelength of 10		
9.	What is the period of a wave? How i	s it measured?				
10.	What is the formula to calculate wave	e speed?				
11.	What increases as amplitude increases?					
12.	What do all waves carry?					
13.	What is reflection? Give an example.					
14.	What is refraction? Give an example					
15.	What is diffraction? Give an exampl	e.				
16.	What are the two types of interference? Which results in a larger wave? Which results in a smaller wave?					
17. G	A wave travels at 13 m/s and the cres pass you by per second? Show GUES		part. How many wave ${f S}$	es would you see		