Name	Date 100	Classbms/4
Characteristics of Waves G		
		Setsmic Vaves
Seismic Waves (pp. 5	30-533)	
This section explains how earthquak		move through Earth.
Use Target Reading Skills		ar Seismic way es do not care
As you read the section, note the def in the paragraph that contains the a a sentence using the key term.		
a. seismic wave A wave	produce	d by an
earthq	soke.	- Kanpatlana
b. P wave	dinal Sei	smic Wave
<u> </u>	sa taograph the good sa	to Which type of science waying
c. Swave	verse Se	ismic Wave
	TRANSPORTERS	opposite on earthdaske,
d. surface wave	pination	of along trdinal
Isove & +	ransver	se have and it
e. tsunami travels	s on surfa	ce of medium.
Ocean	Called	by underwater
f. seismograph	915 18 Vent 100	earthouseke
Instr	011010	as the siles waste
Types of Seismic Waves (p		Entitle Course 1 1
1. What happens when stress		
the rock le	reals, re	leasing energy.
2. The waves produced by early sections.		as

Detecting Seismon Waves (o. 533)

Name	Da	te	Class	sm _k y
Characteristics of V	Vaves • Guided Re	eading and Study	rightes of Wave	
Seismic Waves	(continued)	(18 e-18 e qe)		
Some seismic b. Seismic wave c. There is only	of each sentence that a waves are longituding on the carry energy one type of seismic was ripple out in all directions.	nal. 7. 7ave. – Taning States	in war as en in Gwent op in east	
Swa	ves travel through Early Can	+ travel	through	4
	eismic waves arrives a P – Word		ore any other	
6. Which type of se	eismic waves produce	es the most severe gr	ound	
7. Which type of se opposite an eart	eismic waves cannot l hquake?	be detected on the si	de of Earth	
8. What are tsunan	nis?	unes	9Vavi salt	no b
V		2 4 4 1		
9. Complete the tal	ble about seismic way	7es? (1) 2)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 01 9
ng ya Dahka sila	Seism	ic Waves		
Type of Seismic Wave	Transverse or Longitudinal?	Travel Character	istics	tat I
Annual Control of the				

Seismic Waves				
Type of Seismic Wave	Transverse or Longitudinal?	Travel Characteristics		
a. Purves	b. Longstudiel	Travel through all parts of Earth		
S waves	c. Transverse	Travel through Earth but not through d. 600		
e. Ollang	f. Combo	Travel only along Earth's g. Suffeel.		

Detecting Seismic Waves (p. 533)

- 10. Circle the letter of the instrument scientists use to detect earthquakes.
 - a. rarefactions c. seismographs

- b. telegraphsd. tsunamis

NameeacD	Date	Class	ameN
Characteristics of Wave	es • Guided Reading and Stud	dy savsW lo soliteine.	Charact
11. What does a seismo	graph record?	mants 2000 ST	Key
12. What is the frame of	f a seismograph attached to?	c of action g limbour comins oss, atomor, or out the do-	The block them acr io faul. I
13. What happens to a s	eismograph's frame when seism	ic waves arrive?	b A H
seismograph? By meas	ell how far away an earthquake v	vas from a between a	rriva
By compo Setsmogra		n at leas	ENAL
To find out what is	underground, geologists set off a.	explosives	ad .e
The expl	osives produce b. Sei Smie w	nes !! (6)	
The seismic waves	reflect from structures deep c	derground	•
	nic waves are recorded by d. 940 site of the explosion.	smographs	

Name	Data	01
Ivaille	Date	Class
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Characteristics of Waves ... Key Terms and the second to a second

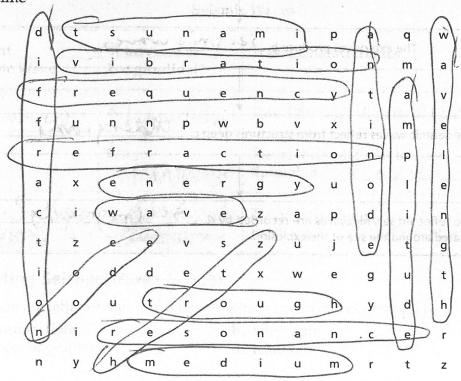
Key Terms

The block of letters below contains 16 key terms from the chapter. You might find them across, down, or on the diagonal. Use the clues to identify the terms you need to find. Circle each of the terms in the block of letters.

Clues

- 1. A disturbance that transfers energy from place to place
- 2. The ability to do work
- 3. The material through which a wave travels
- **4.** A repeated back-and-forth or upand-down motion
- 5. The highest part of a transverse wave
- 6. The lowest part of a transverse wave
- 7. The maximum distance the particles of the medium carrying the wave move away from their rest position
- **8.** The distance between two corresponding parts of a wave
- 9. The number of complete waves that pass a given point in a certain amount of time

- **10.** The unit in which wave frequency is measured
- 11. The bending of waves due to a change of speed as waves enter a new medium at an angle
- **12.** The bending and spreading out of waves around the edge of a barrier and spreading out
- **13.** A point of zero amplitude on a standing wave
- **14.** A point of maximum amplitude on a standing wave
- **15.** What occurs when external vibrations match an object's natural frequency
- **16.** A huge surface wave on the ocean caused by an underwater earthquake



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