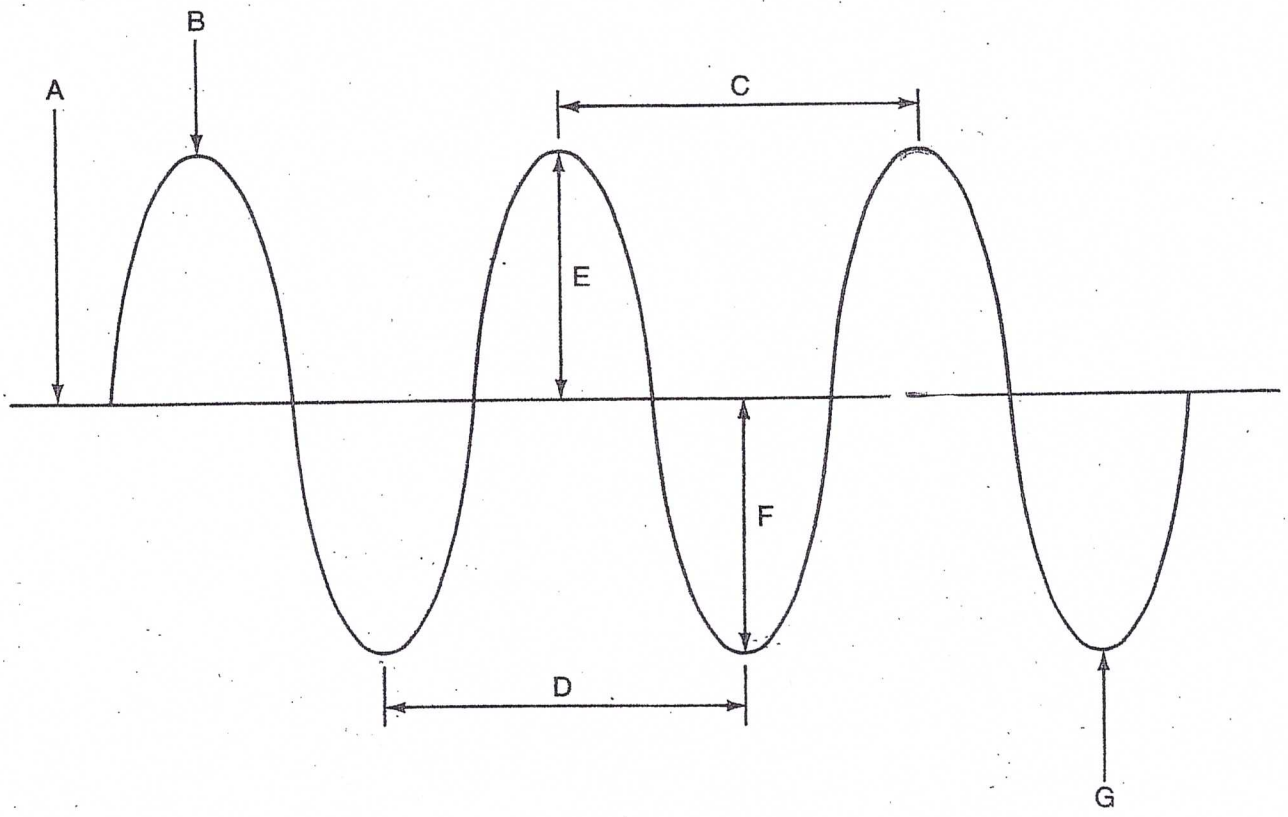
Name _____ Class _____ Date _____

Activity Characteristics of Waves

Wave Characteristics



A _____ D _____ G _____

B _____ E _____ Frequency of wave _____

C _____ F _____

Name Date Class

Directed Reading for Content Mastery

Section 1 ▪ What are waves?

Directions: *Match the terms in column II with the descriptions in Column I. Write the letter of the correct term in the blank at the left. Some terms will be used more than once.*

Column I

_____ 1. waves that use matter to transfer energy

_____ 2. rhythmic disturbance that carries energy

_____ 3. waves in which matter in the medium moves in the same direction as the wave

_____ 4. example of a compressional wave

_____ 5. example of a mechanical wave

_____ 6. The matter in the medium moves up and down or back and forth at right angles to the direction the wave travels.

_____ 7. waves that do not require matter to carry energy

_____ 8. ripples on the surface of a pond

_____ 9. the matter through which a mechanical wave travels

_____ 10. vibration of vocal chords creates this

Column II

a. water wave

b. compressional waves

c. transverse wave

d. wave

e. mechanical wave

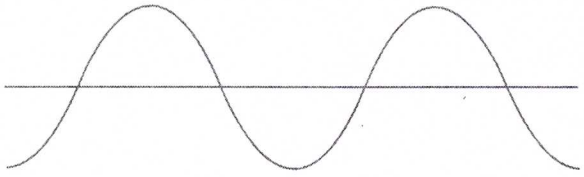
f. electromagnetic wave

g. sound wave

h. medium

Directions: *Label the diagrams below* **compressional wave** *or* **transverse wave.**

11. _____



12. _____

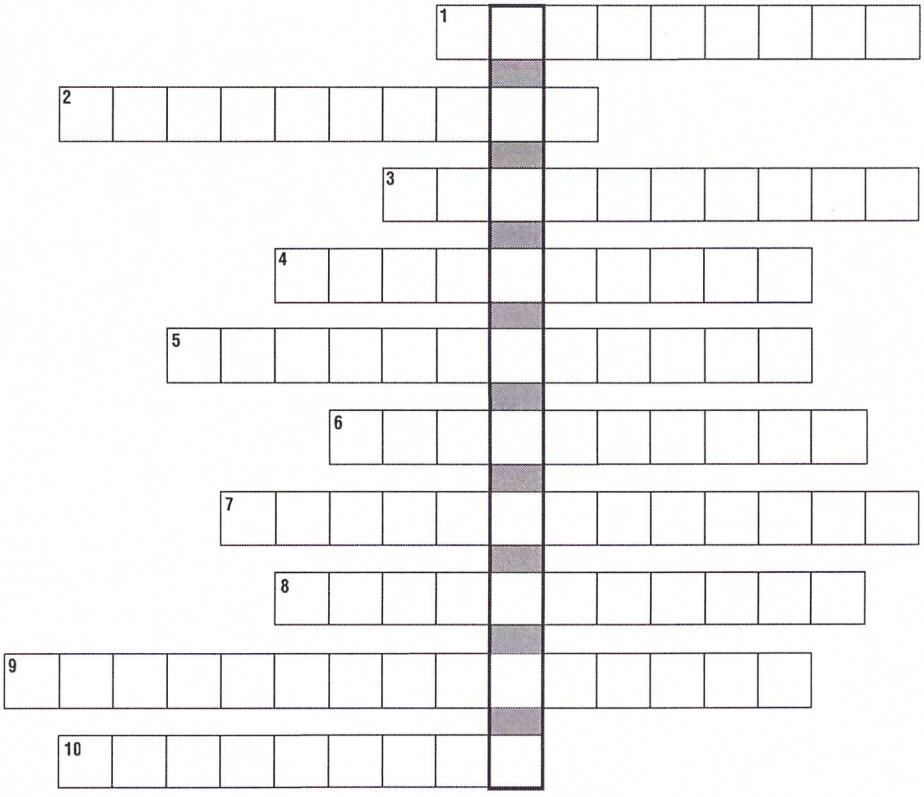
Meeting Individual Needs

Name Date Class

Directed Reading for Content Mastery

Key Terms
Waves

Directions: *Write the term that matches each description below in the spaces provided. The boxed letters will spell the answers to question 11.*



1. A measure of a wave's energy
2. What happens when a wave strikes an object and bends
3. Distance between a point on one wave and an identical point on the next wave
4. What happens when a wave strikes an object and bounces off?
5. Ability of two or more waves to form a new wave when they overlap
6. Wave in which matter moves at right angles to the direction of the wave
7. Wave in which matter moves in the same direction as the wave
8. The bending of waves around a barrier
9. Waves that do not require a matter to carry energy
10. Number of waves that pass a given point in one second
11. What do waves do? _____