



# Guided Practice

## Check Understanding

**Directions:** Fill in the blanks using the word bank below.

### Word Bank

Longitudinal

Waves

Opposite

Sound

Transverse

Light

Seismic

Vibration

Two

Same

\_\_\_\_\_ are the transmission of energy through matter. They are created when a force causes a \_\_\_\_\_. There are \_\_\_\_\_ types of waves. One type of wave is the \_\_\_\_\_ or compression wave. These waves move in the \_\_\_\_\_ direction as the transmitting medium. Examples of these waves include \_\_\_\_\_ waves and \_\_\_\_\_ waves. The other type of wave is the \_\_\_\_\_ wave. These waves move in the \_\_\_\_\_ direction as the of the transmitting medium. \_\_\_\_\_ waves are an example of transverse waves.

**Directions:** Answer the questions below using complete sentences.

- List two types of waves: \_\_\_\_\_
- Explain how transverse waves are created and travel?  
\_\_\_\_\_  
\_\_\_\_\_
- What are three similarities between seismic, light, and sound waves ?  
\_\_\_\_\_  
\_\_\_\_\_