



Earthquake Early Warning Student Worksheet Answer Key

Answer Key - Please note that this key contains possible student responses, and responses will vary. Underlined words indicate words used from the word banks.

Directions: Complete the sentences below. In the Word Bank you will find keywords that you can use in your sentences.

Word Bank

shake	pieces of earth	alert	drop
energy	warning	surface	waves
stuck together	cover	hold on	move

Earthquake Basics

An earthquake is *when the ground shakes and causes things and people to move.*

An earthquake happens because *the surface of Earth is broken into pieces that move slowly.*

The pieces of Earth get stuck together, then suddenly move. This releases energy that travels as waves that cause things to move.

Key Things to Remember to Stay Safe

The *key things* I need to remember to stay safe if I feel shaking or get an alert are *to Drop, Cover, and Hold On right away.*

The *most important thing* I learned that I will share with my family is *that we could get an alert that there will be an earthquake. If we do, we need to Drop (or Lock), Cover, and Hold On right away.*

Earthquakes are Waves of Energy

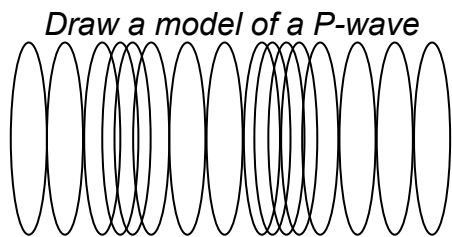
Directions: Complete the sentences below. In the Word Bank you will find key words that you can use in your sentences.

Word Bank

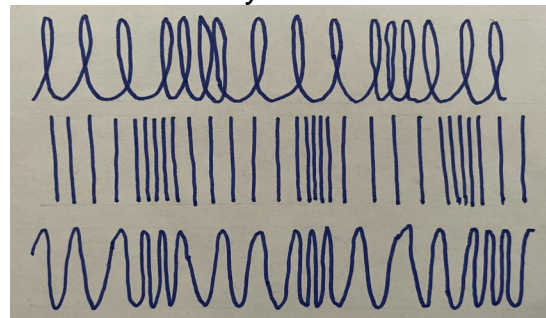
faster	more damaging	move	slower
up and down	back and forth	less damaging	waves

P-waves are **primary seismic waves** that are **less damaging** and move **faster**.

They cause the material the waves travel through to move **back and forth along the direction the waves are traveling**.

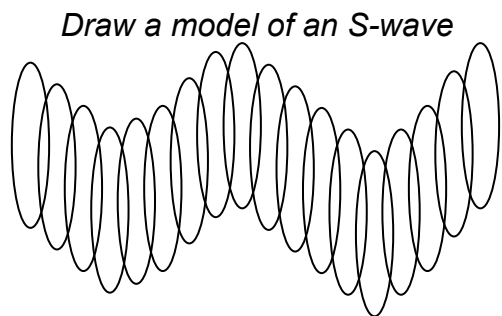


or any of these:



S-waves are **secondary seismic waves** that are **more damaging** and move **slower than P-waves**.

They cause the material the waves travel through to move **up and down** (**perpendicular**) to the **direction the waves are traveling**.



or this:

