



Summary of Wave Movement Speed

Slower than P Waves, Faster than Surface Waves

Vibrate from side to side or up and down

Compress and expand like an accordion

 Location

Other Info

Travel through crust on Earth’s surface

Can only travel through Solids

P and S waves become this if they reach surface

The first waves to hit surface aka Primary

Also called secondary, sheet or side waves

Can travel through Solids & Liquids

Slowest of all wave types

Fastest of all wave types

Can make ground roll like waves or up and down

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Wave Type | Picture of Wave Movement | Summary of Wave Movement | Speed | Location | Other Info |
| P - Wave |  |  |  |  |  |
| S- Wave |  |  |  |  |  |
| Surface Wave |  |  |  |  |  |

Use the diagram below to answer the following questions.

1. What type of fault is shown? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What does A represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What does B represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What does C represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Wave Type | Picture of Wave Movement | Summary of Wave Movement | Speed | Location | Other Info |
| P - Wave | Compress and expand like an accordion  | Fastest of all wave types |  | The first waves to hit surface aka PrimaryCan travel through Solids & Liquids |  |
| S- Wave | Vibrate from side to side or up and down | Slower than P Waves, Faster than Surface Waves | Can only travel through Solids | Also called secondary, sheet or side waves | P and S waves become this if they reach surface |
| Surface Wave | http://www.edinformatics.com/math_science/Rayleigh_wave2.jpg | Slowest of all wave typesCan make ground roll like waves or up and down  |  | Travel through crust on Earth’s surface |  |

Use the diagram below to answer the following questions.

1. What type of fault is shown? REVERSE
2. What does A represent? FOCUS
3. What does B represent? EPICENTER
4. What does C represent? FAULT LINE