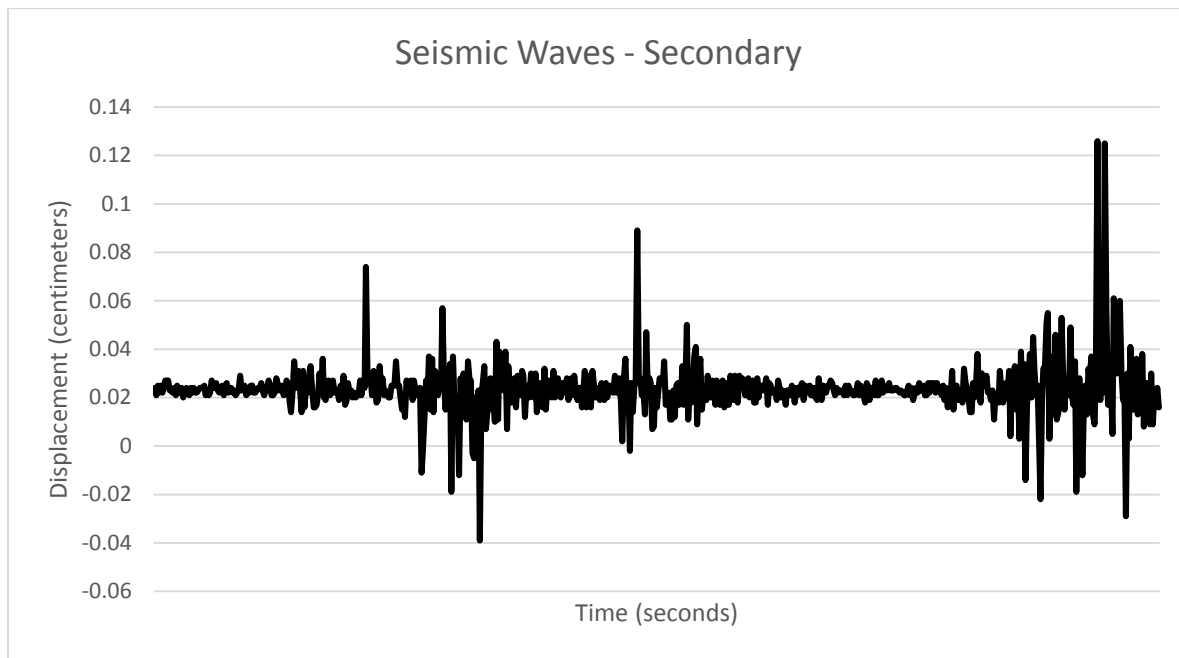


Name: _____

Date: _____

Period: _____

Seismic Wave Analysis 2



Notice the Displacement (y-axis) is measured in centimeters.
You will need to multiply these numbers by 100 before using them.

1. What type of waves created this seismogram? _____
2. Describe their motion: _____

3. What is the amplitude of the largest wave? (Treat negative numbers as their absolute value) _____
4. Divide the amplitude from #3 by 2 to get the earthquake's magnitude. _____
5. What effects would you expect this earthquake to have if it occurred in this classroom right now? _____

6. How would this compare to the M5 earthquake that occurred in Kyrgyzstan today? Show your Math.