

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

## WAVES WEBQUEST

### What is a Wave?

Click on the link:

[http://gpb.pbslearningmedia.org/asset/lsp07\\_int\\_waves/?utm\\_source=teachersdomain\\_redirect/asset/lsp07\\_int\\_waves/utm\\_medium=teachersdomain/asset/lsp07\\_int\\_waves/utm\\_campaign=td\\_redirects](http://gpb.pbslearningmedia.org/asset/lsp07_int_waves/?utm_source=teachersdomain_redirect/asset/lsp07_int_waves/utm_medium=teachersdomain/asset/lsp07_int_waves/utm_campaign=td_redirects)

1. Describe the motion of the wave of the people and the string. What type of wave is being demonstrated in these examples?
2. Under the "Demonstration" tab, experiment with different medium densities and wave controls. Describe the changes you observe as you adjust the different variables.
3. Under the "Water Waves" tab, watch the water waves animation and then explain the motion of a water wave

Click on the link: <http://www.acs.psu.edu/drussell/Demos/waves/wavemotion.html>

4. What are mechanical waves?
5. How do transverse waves differ from longitudinal waves?
6. Illustrate and give an example of transverse and longitudinal wave.

