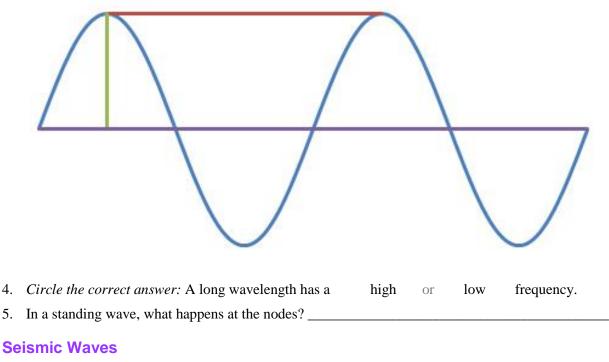
## **Engineering & Waves: Seismic Waves Worksheet**

As we go through the presentation, answer the questions and fill in the blanks below:

## **Wave Basics**

- 1. We will focus on one type of wave: \_\_\_\_\_\_ waves
- 2. A definition for a waves is \_\_\_\_\_
- 3. Label the following parts in the wave drawing below: **amplitude**, **crest**, **trough**, **wavelength**



- 6. Why do you think engineers are concerned about earthquakes?
- 9. What type of seismic waves move at the greatest velocity (speed)?
- 10. What do engineers build and use to test how well a building will survive an earthquake?