

Name: \_\_\_\_\_

### Wave Properties – Station 1

Waves have a property called amplitude. The amplitude of a wave describes how much \_\_\_\_\_ it has. It is measured from the line of origin to the top of the wave (the \_\_\_\_\_). Or it can be measured from the line of origin to the bottom of the wave (the \_\_\_\_\_). Amplitude is related to the volume or \_\_\_\_\_ of a sound. When a wave has big amplitude, the sound will be \_\_\_\_\_. When a wave has small amplitude the sound will be \_\_\_\_\_. Volume is measured in decibels.

loud	crest	trough
energy	loudness	soft

1. Draw a wave that would be **soft**. Is the amplitude big or small? \_\_\_\_\_

2. Draw a wave that would be **loud**. Is the amplitude big or small? \_\_\_\_\_

3. Get a handout with the pictures and waves. Cut each one out along the lines. Put the pictures in order from loudest to softest. Put the waves in order from loudest to softest. Glue them on the back of this sheet.