



Name: _____

Great Guitars!

Today we will be making our own guitars! But first, we need to understand sound.

Sound comes from **sound waves** – vibrations in the air. Below are pictures of two sound waves. The **pitch** (how high or low a sound is) is based on how fast the sound waves are. Faster sound waves produce higher sounds. Circle the sound wave that you think produces a **higher** sound.



Now let's make our guitars!

1. Place 4 rubber bands around your box so they go across the open side.
2. Pluck each rubber band one at a time with your finger to play a note.
3. Now test the different rubber bands on your guitar!

	High pitch	Low pitch
Thin rubber band		
Thick rubber band		
Loose rubber band		
Tight rubber band		