

Sound Waves (Teacher Notes)

Class Demonstration

After the pre-lab, and before starting activity, demo 2 tuning forks, or instruments – a high-pitch one and a low-pitch one.

Ask: Which one of these is a high-pitch? Which is a low pitch? Ask some more examples things that make a high-pitch sound and things that make a low-pitch sound.

The goal of this demo is only to make sure students to associate sounds with “high-pitch” and “low-pitch”.

Students will then be discovering *how* to make high-pitched noises and low-pitched noises in terms of frequency/amplitude and in terms of vibrational motion of a speaker.