

Activity Guide - Waves

Amplitude Warm-Up

— *Sound Slides: 5,6

Overview

Objectives

- Warming up the body while exploring concepts of wave amplitude

Guiding questions

- What does a wave with a small amplitude sound like? Is it quiet or loud? (small)
- What does a wave with a large amplitude sound like?

Materials needed

- Music ([Sample Spotify playlist](#))

Space needed

- Enough space for students to stand up

Time allotment: 2-3 minutes

Number of students: All students

Instructions

1. Play the provided playlist or shuffle through the songs on any kid-friendly playlist.
2. Ask students to react to what they hear. If they hear sound with a small amplitude, they shrink into a tiny ball. If they hear sound with a large amplitude, they grow into a big, expansive shape!
3. Video [example](#) on slide 5

Guiding questions about noticing sensations can be a great way to get students curious about the activity.

