Date: _	Name:

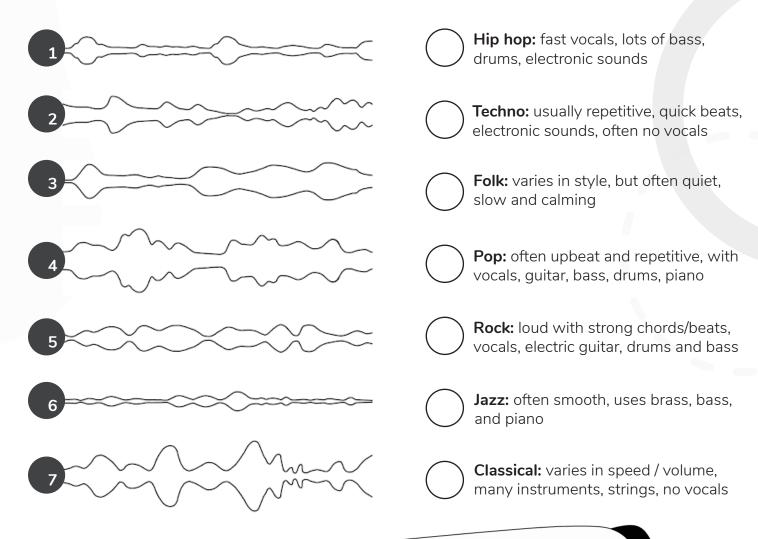
Seeing Sound

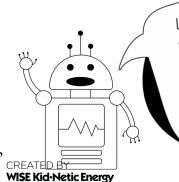
This activity was created by Brandi

Sound waves can be visualized by looking at a "waveform". Waveforms vary in size and shape depending on the volume, the instruments, voices, pitch, and more! Try to match the waveforms below with the genre of music they came from using the following qualities:

AMPLITUDE (height of a wave) tells us how loud the sounds are.

WAVELENGTH (width of a wave) tells us how long a sound is held or how smooth it is. FREQUENCY (spacing of waves) tells us how quickly sounds are being made / how many





Look at you using all kinds of computer science skills in this activity: you're problem-solving, matching, and using abstraction. **Abstraction** is all about focusing on the important details and forgetting the rest, which is exactly what you're doing when you're looking at those bumpy sound waveforms.