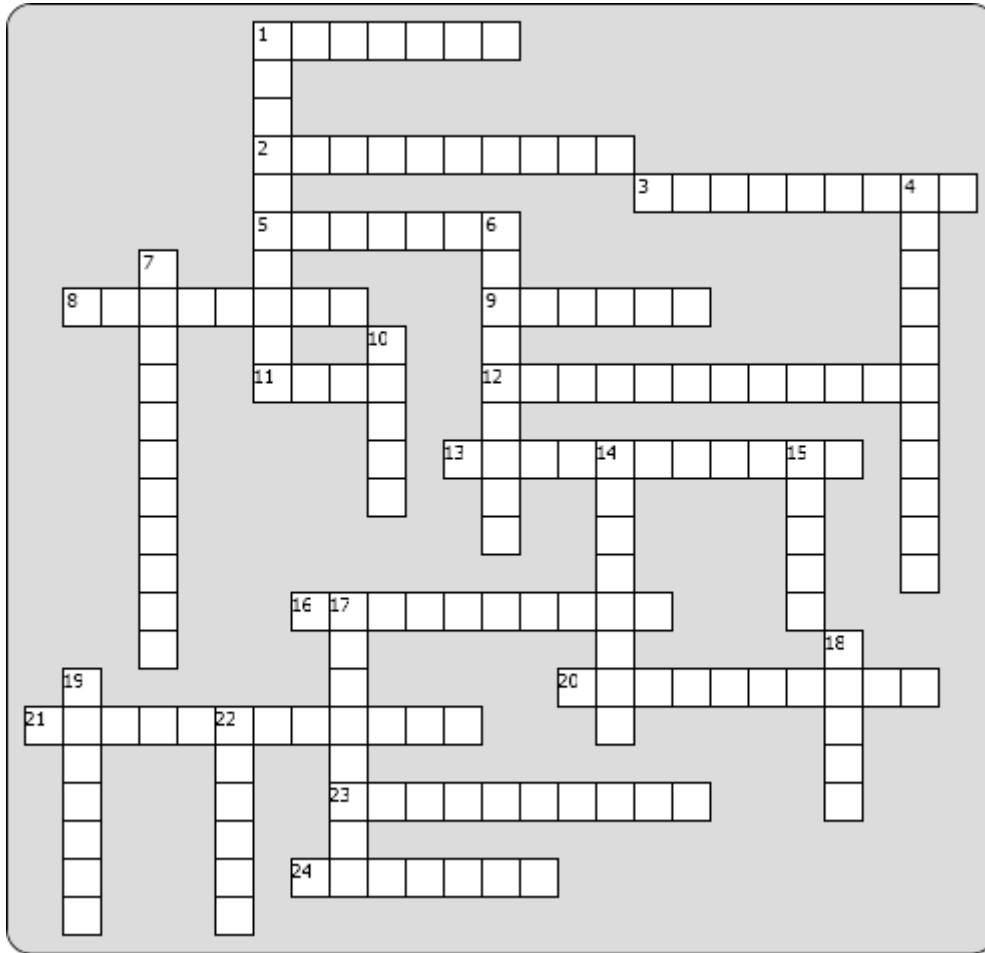


Crossword Puzzle

Waves and Sound

Name: _____



Across:

- 1 - this is at the bottom of the ear canal
- 2 - water waves on the ocean are these kind of waves
- 3 - measured in units called "Hertz"
- 5 - snail-shell-shaped part of the inner ear
- 8 - waves on a violin string, that doesn't look like it's traveling
- 9 - the time needed for one wiggle of a wave
- 11 - end of a violin string, that is not moving
- 12 - when waves overlap, you can get constructive and destructive _____
- 13 - the lowest frequency out of the many frequencies produced by a musical instrument
- 16 - the distance from one crest to the next
- 20 - light waves are these kinds of waves
- 21 - sound waves are these kinds of waves
- 23 - what the stirrup presses against (two words)
- 24 - the unit used for measuring loudness

Down:

- 1 - this tube allows air pressure in your middle ear to equalize with the outside air pressure
- 4 - the high-pressure part of a sound wave
- 6 - the height of a wave
- 7 - the low-pressure part of a sound wave
- 10 - warbling noise heard when two sounds are nearly, but not exactly, the same frequency
- 14 - this nerve transmits signals to your brain
- 15 - one of the three bones in the middle ear
- 17 - the middle of a violin string, that is wiggling a lot
- 18 - the high point of a wave
- 19 - the change in pitch when a wave source comes towards you (or moves away) = ____ Effect
- 22 - the low point of a wave