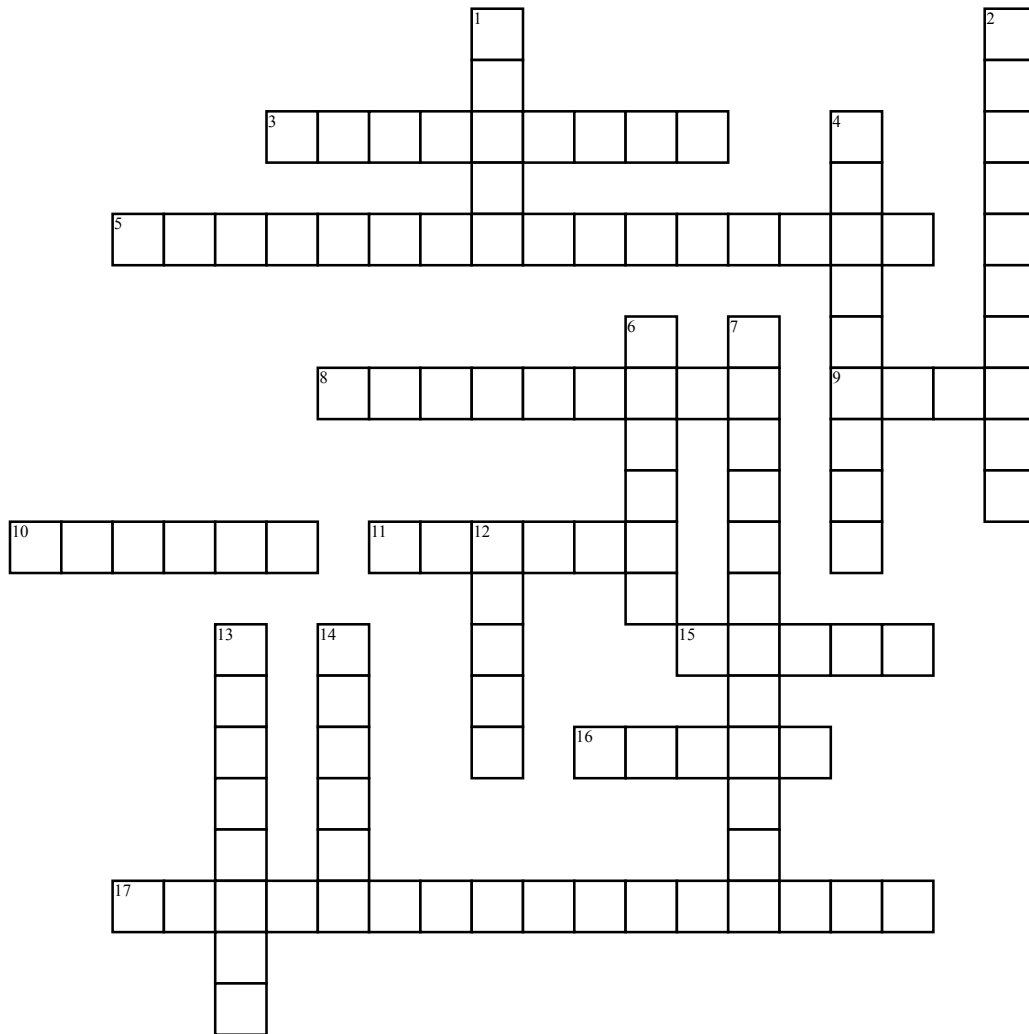


Name: _____

Date: _____

Sound



Across

- 3. when air molecules that are already vibrating cause the strings to vibrate at their natural frequencies
- 5. waves whose energy moves forward and whose particles move back and forth
- 8. sends signals to the brain so you know what you are hearing
- 9. a reflected sound
- 10. sound and light are really forms of _____

- 11. how loud or how soft a sound is
- 15. energy that travels in waves and can be heard
- 16. how high or how low a sound is
- 17. strings of a piano vibrate they vibrate at their _____

Down

- 1. the eardrum vibrates and then moves tiny _____

- 2. quick back and forth movements
- 4. how often a wave passes over a certain point
- 6. a faster sound waver results in a _____ frequency and a higher pitch
- 7. lets us see sound waves
- 12. a lower frequency wave has a _____ pitch
- 13. sound is made when something _____
- 14. anything that takes up space

Word Bank

- | | | | | |
|-----------|------------|-------------------|--------------|-------------------|
| echo | pitch | compression waves | oscilloscope | natural frequency |
| matter | energy | resonance | lower | sound |
| vibrates | higher | tiny hairs | volume | bones |
| frequency | vibrations | | | |