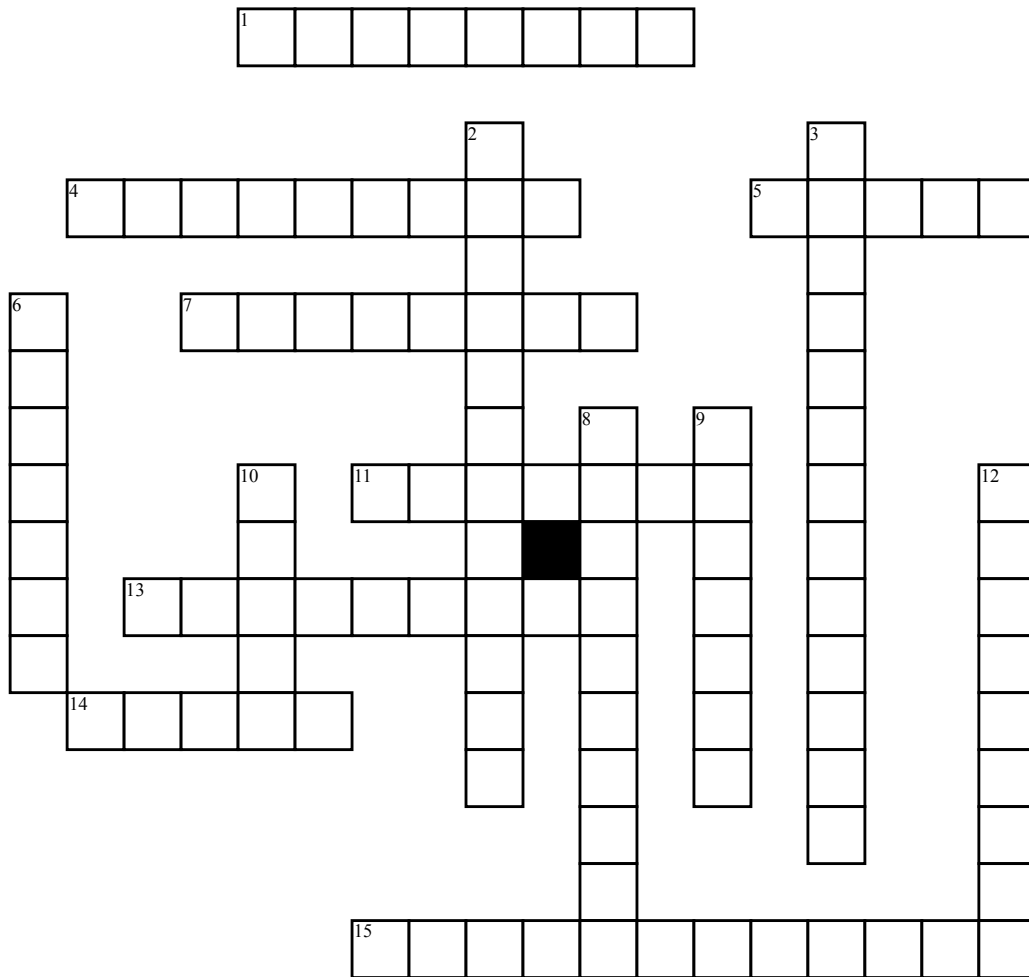


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Sound Chapter 10



## Across

1. The human perception of sound volume and primarily depends on sound intensity  
 4. The study of sound  
 5. A system that uses the reflection of underwater sound waves to detect objects  
 7. A vibration whose frequency is a multiple of the fundamental frequency  
 11. A spiral shaped structure that is filled with liquid

13. A hollow chamber filled with air that amplifies sound when the air inside vibrates  
 14. How high or low a sound seems to be  
 15. Describes the differences between sounds of the same pitch and loudness

## Down

2. The process of locating objects by emitting  
 3. The change in wave frequency  
 6. A unit of sound intensity

8. Sound with frequency above 20,000 Hz and cannot be heard by humans  
 9. A tough membrane about 0.1mm thick that transmits sound  
 10. Any collection of sounds that are deliberately used in a pattern  
 12. The amount of energy that passes through a certain area in a amount of time

## Word Bank

Sound quality	Decibel	Resonator	Eardrum	Loudness
Doppler effect	Ultrasound	Music	Overtone	Cochlea
Sonar	Echolocation	Intensity	Pitch	Acoustics