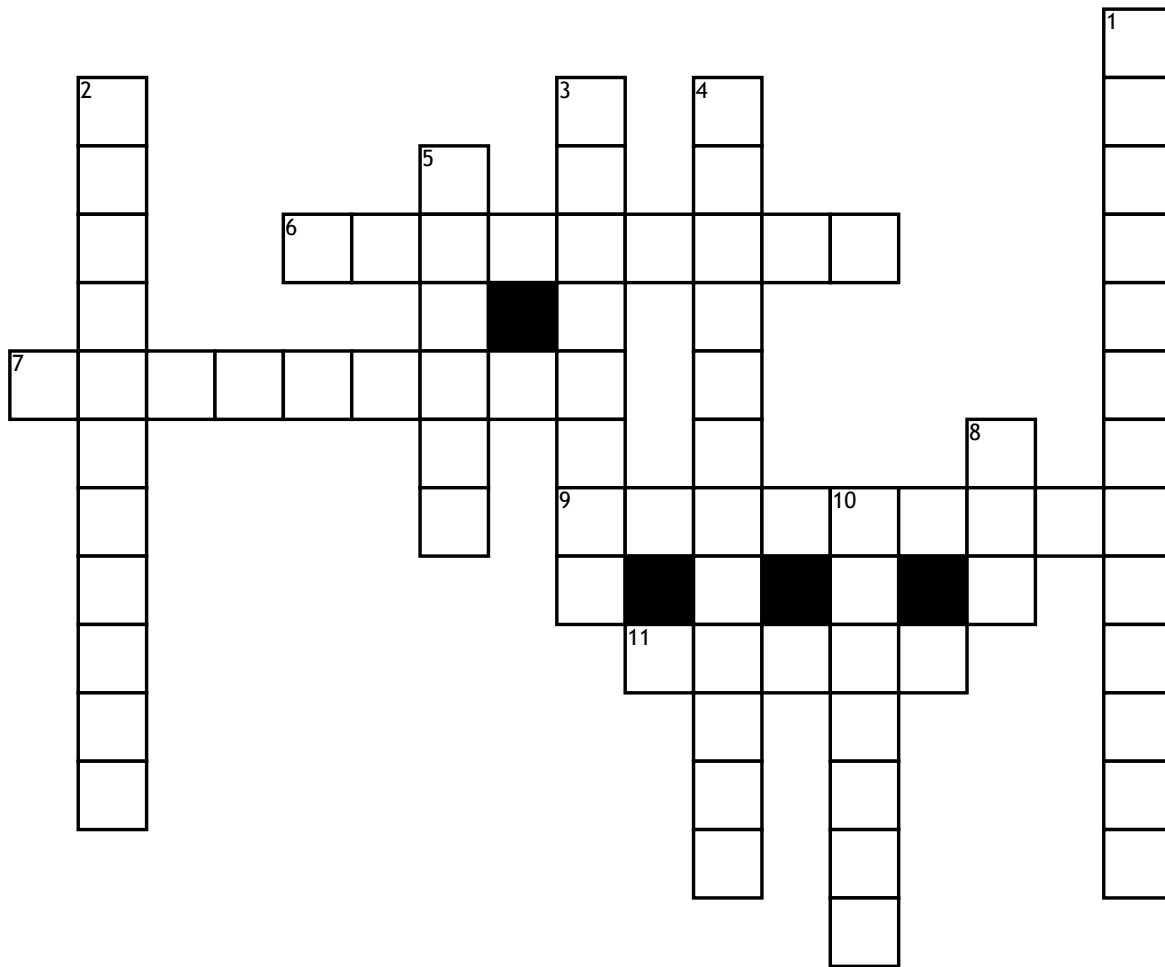


Name: \_\_\_\_\_

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

# Sound Waves and Hearing



## Across

6. What is the amount of energy carried in a wave in a certain amount of time?
7. What is the complete back and forth motion of an object?
9. What is the main matter that travels in a longitudinal wave?
11. What are different levels of sound called?

## Down

1. What is the change in the observed frequency of a wave when the sound source, the observer or both are moving?

2. What is the height of the wave from the resting point to the crest, or the resting point to the trough?

3. What is a measure of how well a sound can be heard?

4. What type of wave goes side to side and not up and down?

5. What does a mechanical wave have to travel through?

8. What is the organ that detects sound?

10. What is the measurement of the loudness and pitch of a sound?