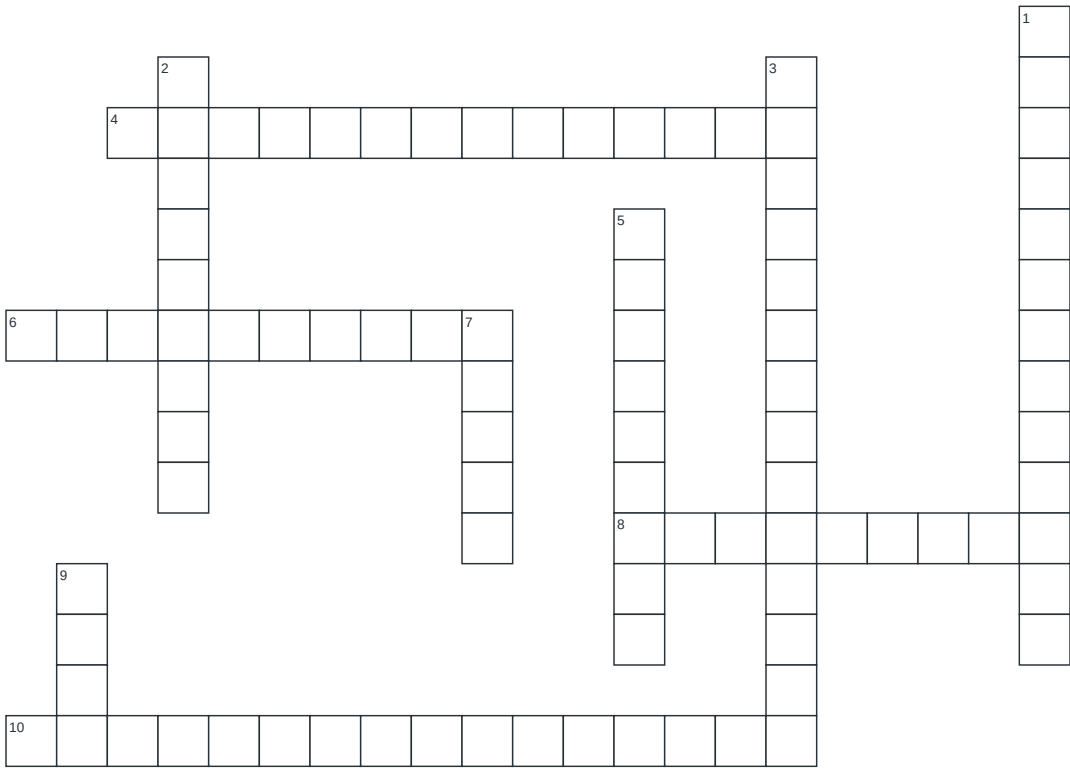


Waves and Sound Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 4. A wave with oscillations perpendicular to its direction of travel
- 6. The distance between corresponding points on adjacent cycles
- 8. The maximum displacement from equilibrium
- 10. Wave whose oscillations are parallel to its direction of travel.

DOWN

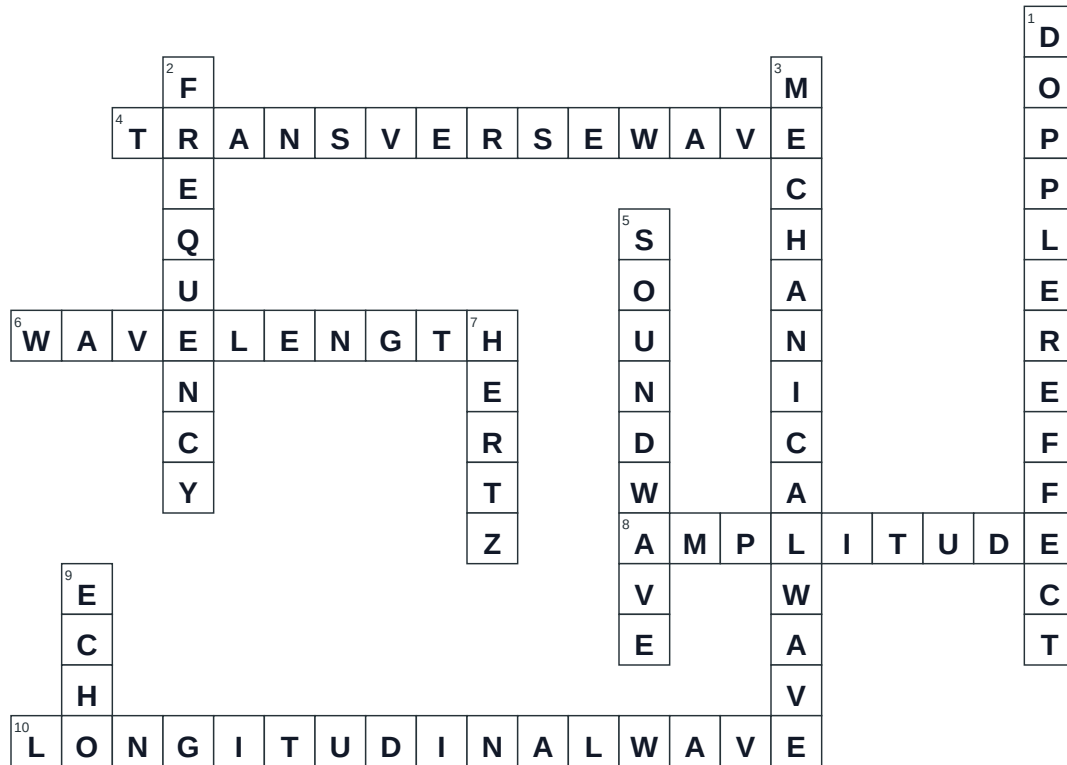
- 1. In air, a listener hears a siren at a higher pitch as its source approaches. Which effect explains this
- 2. The number of cycles per unit time
- 3. Wave that requires a material medium to travel.
- 5. Mechanical pressure disturbance that travels through a material medium.
- 7. Unit that is used for frequency
- 9. A reflected sound heard after the original

Waves and Sound Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

4. Transverse Wave
6. Wavelength
8. Amplitude
10. Longitudinal wave

DOWN

1. Doppler Effect
2. Frequency
3. Mechanical wave
5. Sound wave
7. Hertz
9. Echo

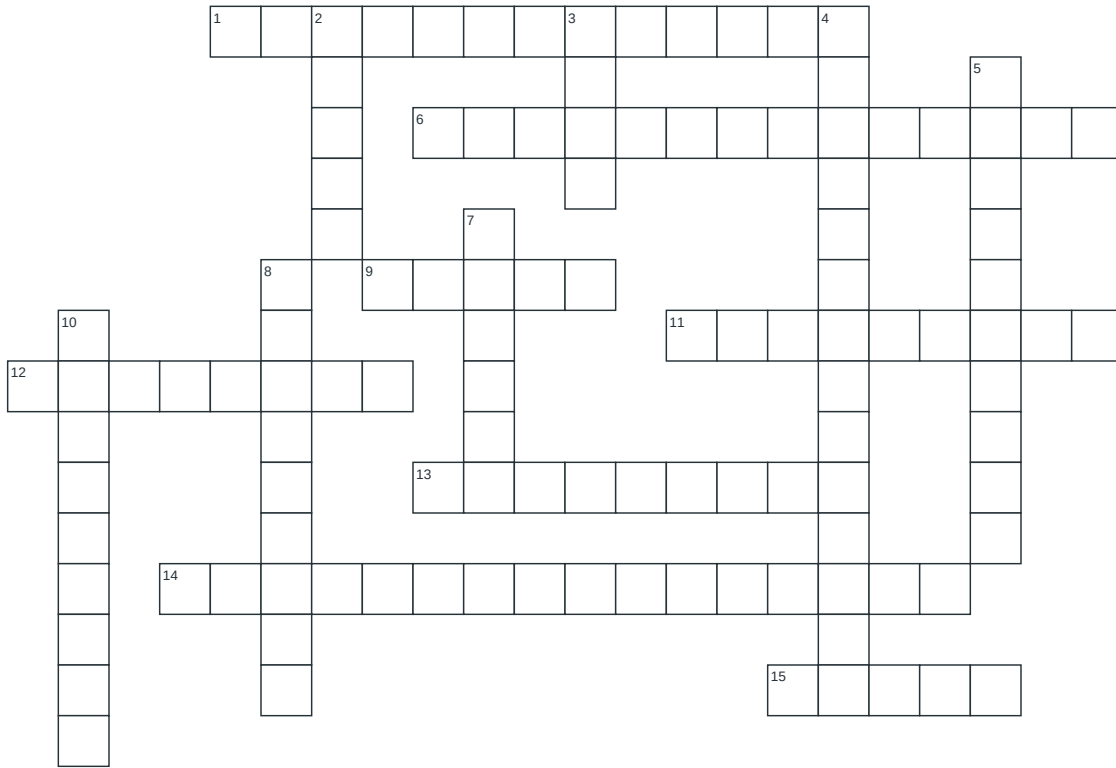
Waves and Sound Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

1. In air, a listener hears a siren at a higher pitch as its source approaches. Which effect explains this
6. Wave that requires a material medium to travel.
9. Highest point of a transverse wave relative to equilibrium.
11. Distance a wave disturbance travels per unit time.
12. Perception associated with sound intensity and hearing conditions.
13. The maximum displacement from equilibrium
14. Wave whose oscillations are parallel to its direction of travel.
15. Unit that is used for frequency

DOWN

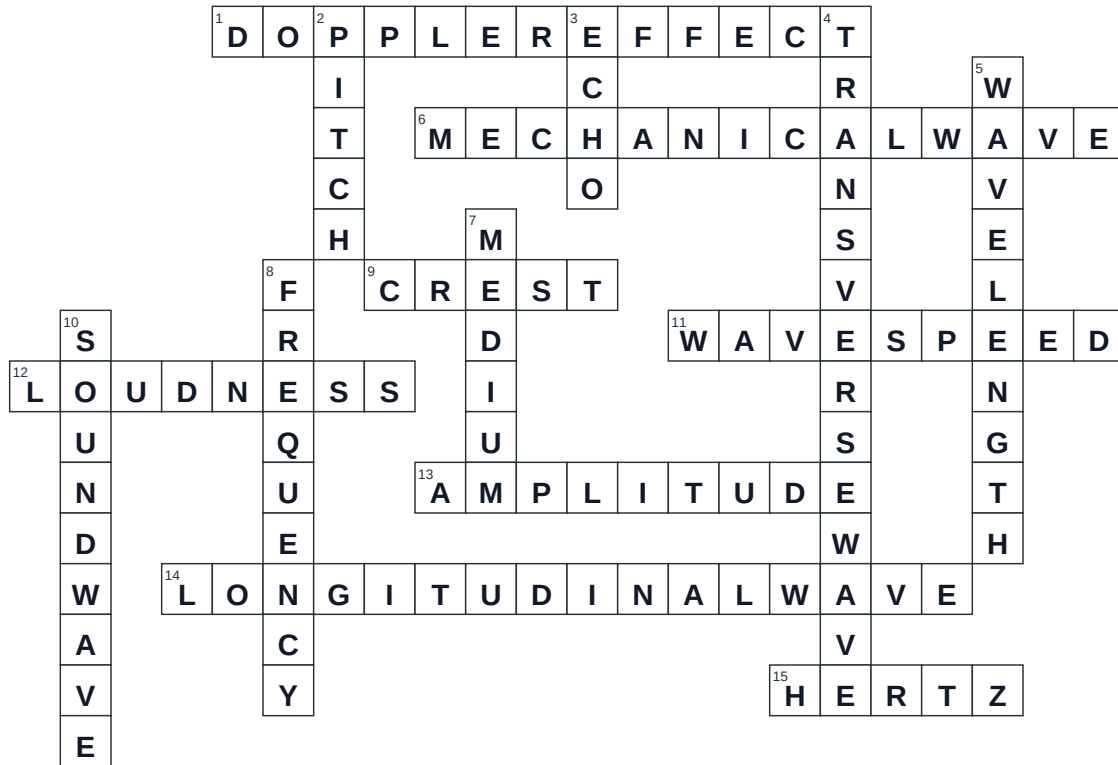
2. Perception associated mainly with sound frequency.
3. A reflected sound heard after the original
4. A wave with oscillations perpendicular to its direction of travel
5. The distance between corresponding points on adjacent cycles
7. Material through which a mechanical wave travels.
8. The number of cycles per unit time
10. Mechanical pressure disturbance that travels through a material medium.

Waves and Sound Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Doppler Effect
6. Mechanical wave
9. Crest
11. Wave speed
12. Loudness
13. Amplitude
14. Longitudinal wave
15. Hertz

DOWN

2. Pitch
3. Echo
4. Transverse Wave
5. Wavelength
7. Medium
8. Frequency
10. Sound wave

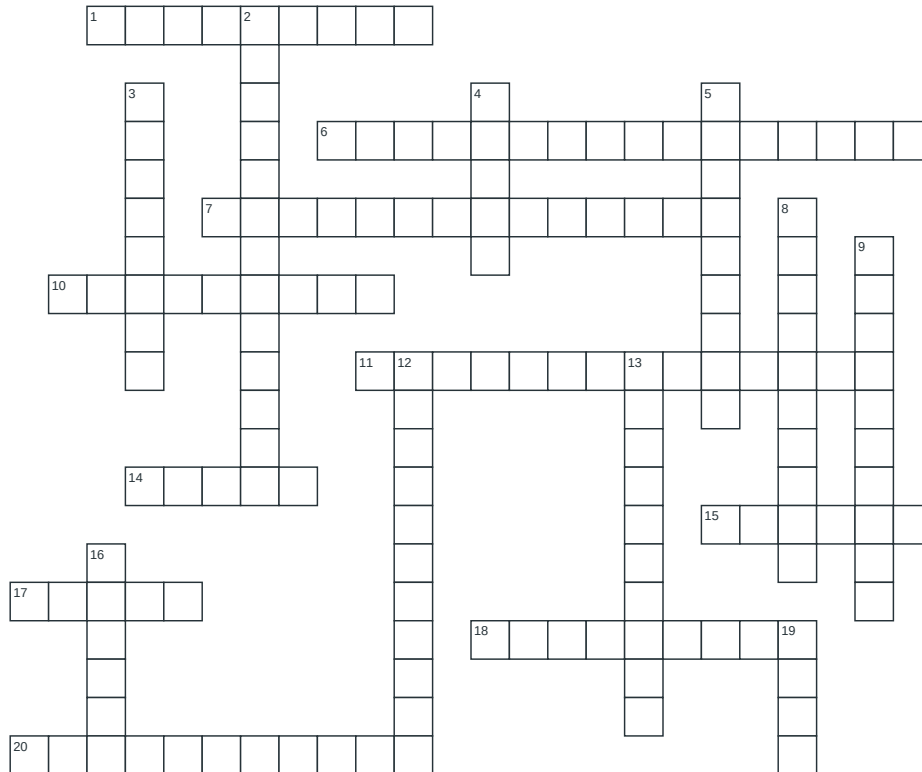
Waves and Sound Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

1. Mechanical pressure disturbance that travels through a material medium.
6. Wave whose oscillations are parallel to its direction of travel.
7. Wave that requires a material medium to travel.
10. The number of cycles per unit time
11. A wave with oscillations perpendicular to its direction of travel
14. Unit that is used for frequency
15. Lowest point of a transverse wave relative to equilibrium.
17. Highest point of a transverse wave relative to equilibrium.
18. The maximum displacement from equilibrium
20. Region of a longitudinal wave where particles are close together.

DOWN

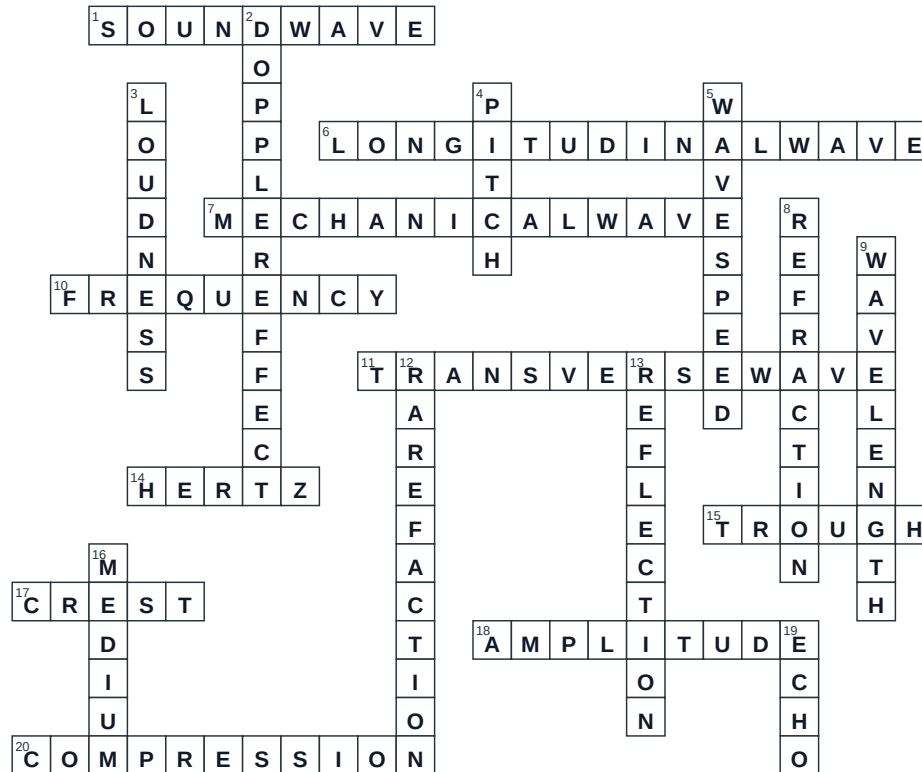
2. In air, a listener hears a siren at a higher pitch as its source approaches. Which effect explains this
3. Perception associated with sound intensity and hearing conditions.
4. Perception associated mainly with sound frequency.
5. Distance a wave disturbance travels per unit time.
8. A change in propagation direction associated with a change in wave speed
9. The distance between corresponding points on adjacent cycles
12. Region of a longitudinal wave where particles are farther apart.
13. Returns some light into the original medium
16. Material through which a mechanical wave travels.
19. A reflected sound heard after the original

Waves and Sound Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Sound wave
6. Longitudinal wave
7. Mechanical wave
10. Frequency
11. Transverse Wave
14. Hertz
15. Trough
17. Crest
18. Amplitude
20. Compression

DOWN

2. Doppler Effect
3. Loudness
4. Pitch
5. Wave speed
8. Refraction
9. Wavelength
12. Rarefaction
13. Reflection
16. Medium
19. Echo