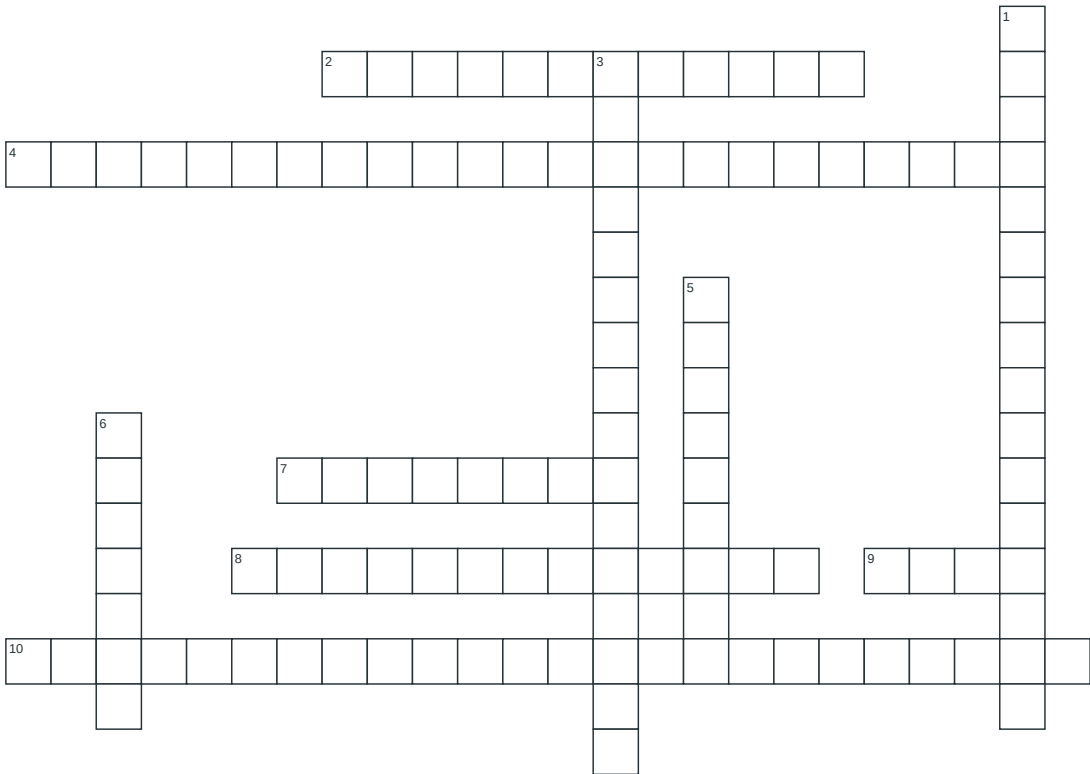


Wave Interference and Resonance Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 2. Pattern formed by overlapping waves traveling in opposite directions.
- 4. Opposite displacements partly or completely cancel at overlap
- 7. Point of maximum displacement in a standing wave.
- 8. Rate of loudness variation produced by two nearby sound frequencies.
- 9. A point with zero displacement amplitude

ACROSS (continued)

- 10. Overlapping displacements reinforce each other
- DOWN

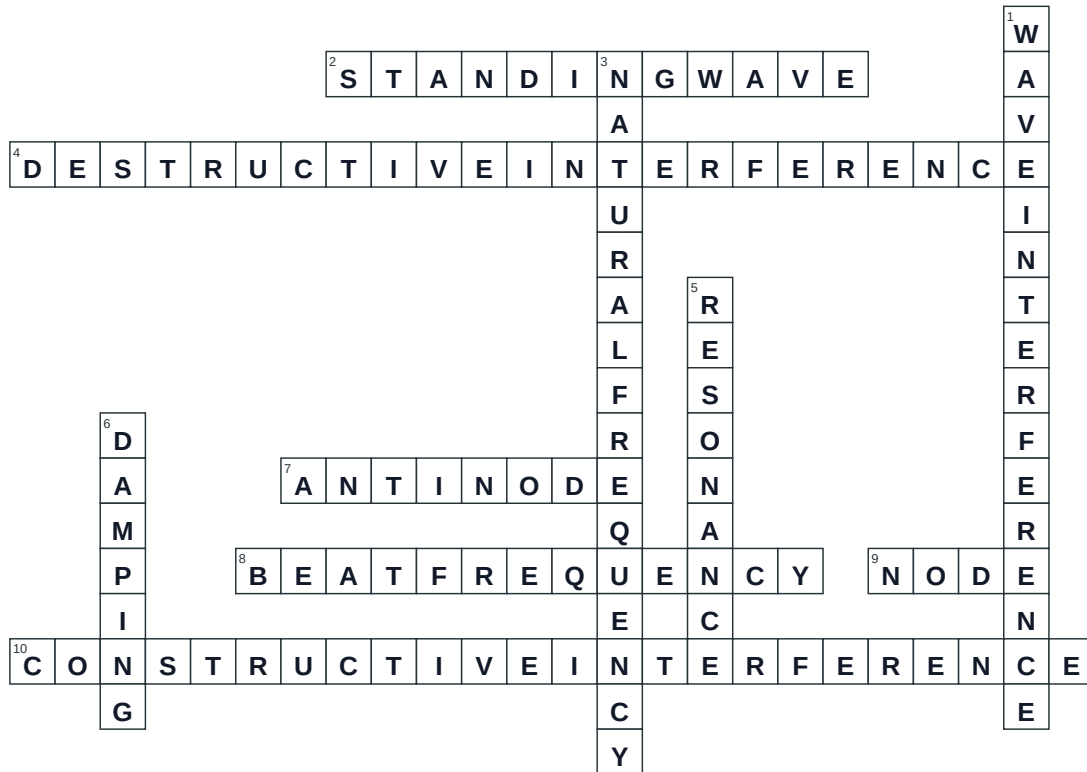
- 1. The combination of overlapping wave displacements
- 3. Frequency at which a system tends to oscillate when disturbed.
- 5. A strong response when driving frequency is near a system's natural frequency
- 6. Reduces oscillation amplitude over time

Wave Interference and Resonance Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Standing wave
4. Destructive Interference
7. Antinode
8. Beat frequency
9. Node
10. Constructive Interference

DOWN

1. Wave Interference
3. Natural frequency
5. Resonance
6. Damping