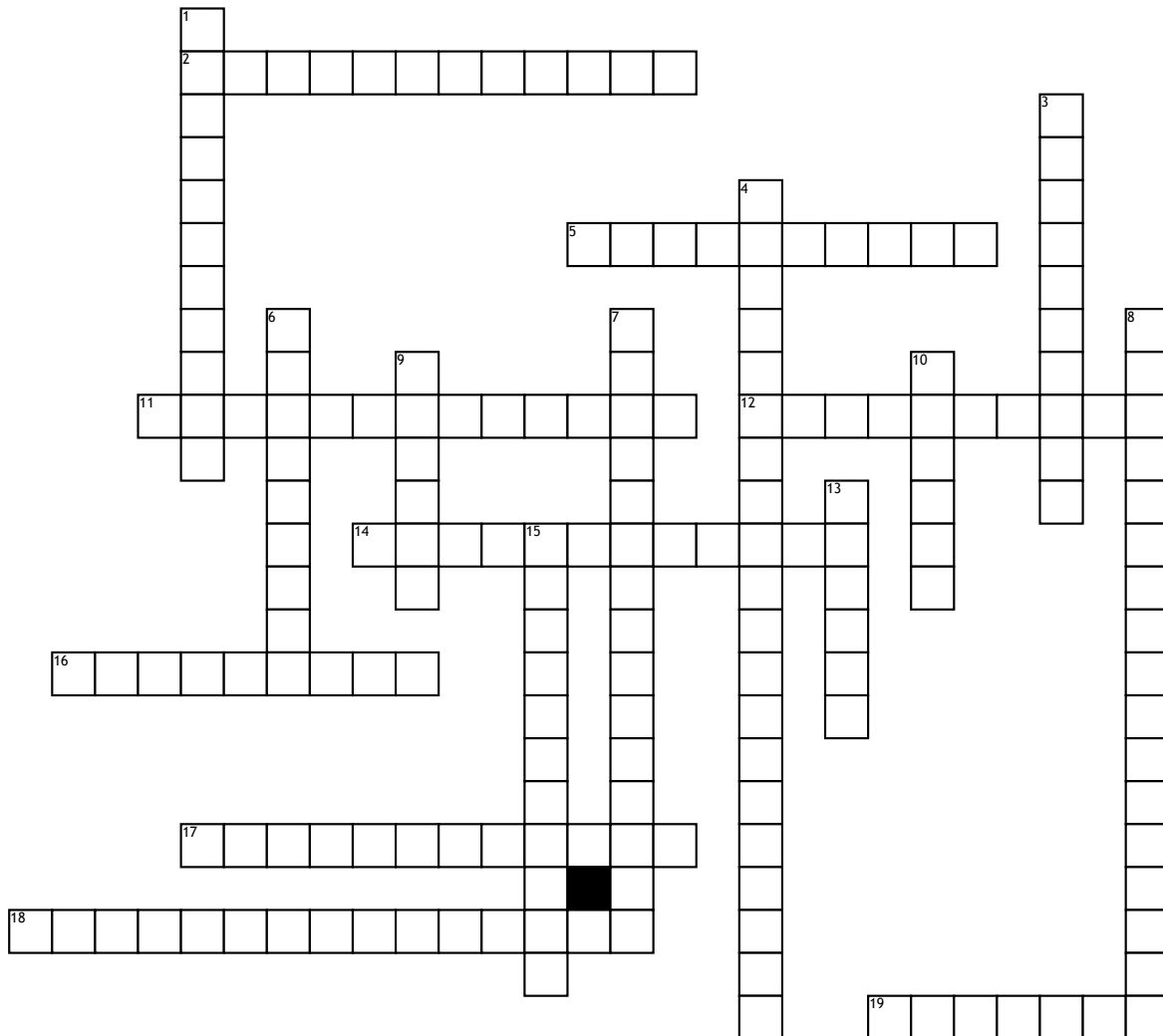


Name: \_\_\_\_\_

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

# physics



## Across

2. when two waves combine to produce a single wave

5. the distance from crest to crest

11. when you watch planes and the pitch goes from low to high then back to low

12. when light waves bounce off a surface

14. the results from interference between a wave and its reflected wave

16. the number of wavelengths that pass a point in a given time interval

17. when waves overlap, and it is a type of interference

18. waves that move perpendicular to the motion of the wave

19. the low points of a wave

## Down

1. the blend of waves as they pass an edge

3. the blending of waves when they pass from one medium to another

4. This wave is a laser light show

6. the greatest distance that particles are displaced from their normal resting positions

7. waves that require a medium

8. Waves that cause the particles in a medium to vibrate parallel to the direction of wave motion

9. the high points of a transverse wave

10. the time it takes for one complete vibration of a particle in a medium

13. the matter through which a wave travels

15. when the crest of one wave meets the trough of another wave, and it is a type of interference