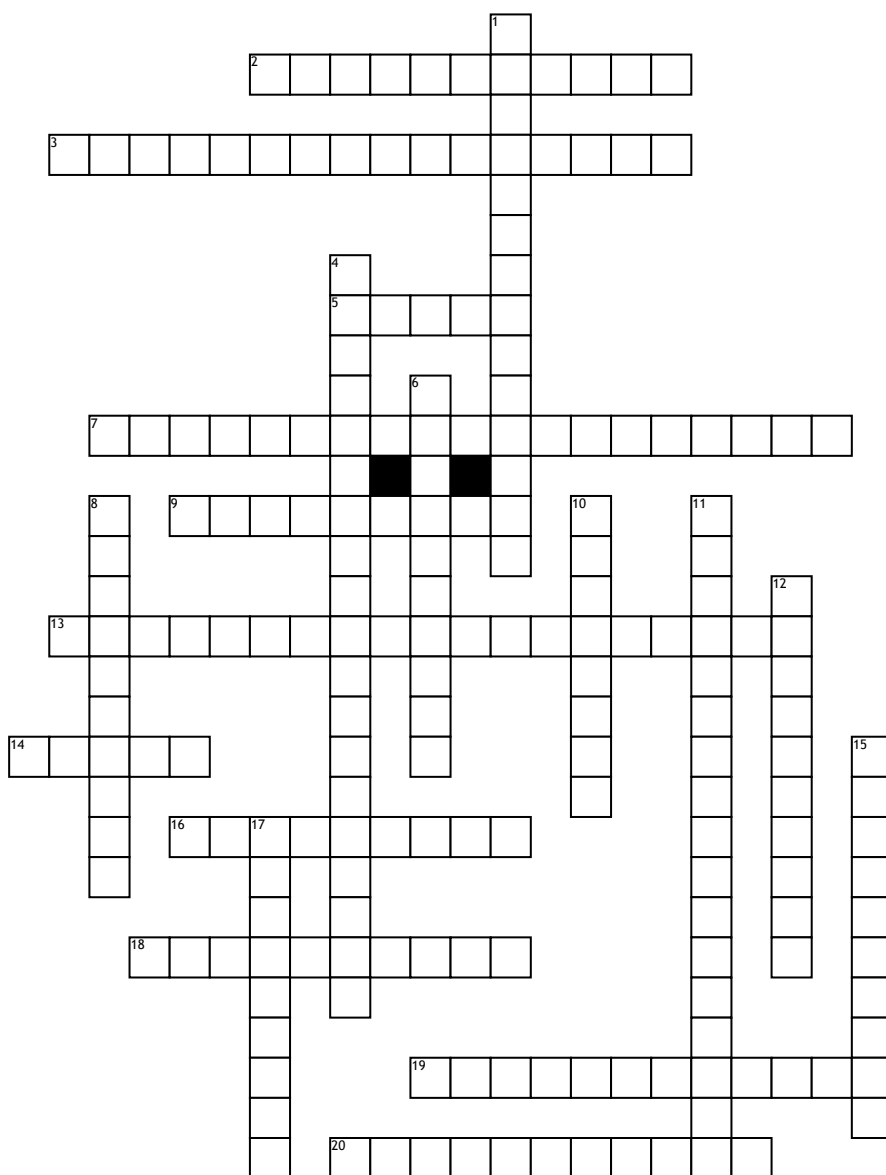


Waves



Across

2. a combination of a longitudinal and transverse wave that travels along the surface of a medium

3. a bulb that contains a gas and is coated on the inside with a powder

5. a system that uses reflected radio waves to detect objects and measure their distance and speed

7. a method of transmitting signals by changing the amplitude of a wave

9. an increase in the amplitude of a vibration that occurs when external vibrations match an object's natural frequency

13. a transverse wave that transfers electrical and magnetic energy

14. a description of how low or high a sound seems

16. the electromagnetic waves with the shortest wavelengths and highest frequencies

18. an image that shows regions of different temperatures in different colors

19. a wave that appears to stand in one place, even though it is really two waves interfering as they pass through each other

20. a bulb that contains neon or argon gas and a small amount of solid sodium or mercury

Down

1. these devices transmit and receive signals using high frequency microwaves

4. a method of transmitting signals by changing the frequencies of a wave

6. a sealed glass tube that contains neon gas

8. when an object or wave hits a surface through which it cannot pass, it bounces back

10. an object that gives off its own light

11. a light bulb that glows when a filament inside it gets white hot

12. for some types of hearing loss, this device can restore some ability to hear

15. these waves carry or transmit signals for radio and television

17. radio waves with the shortest wavelengths and the highest frequencies