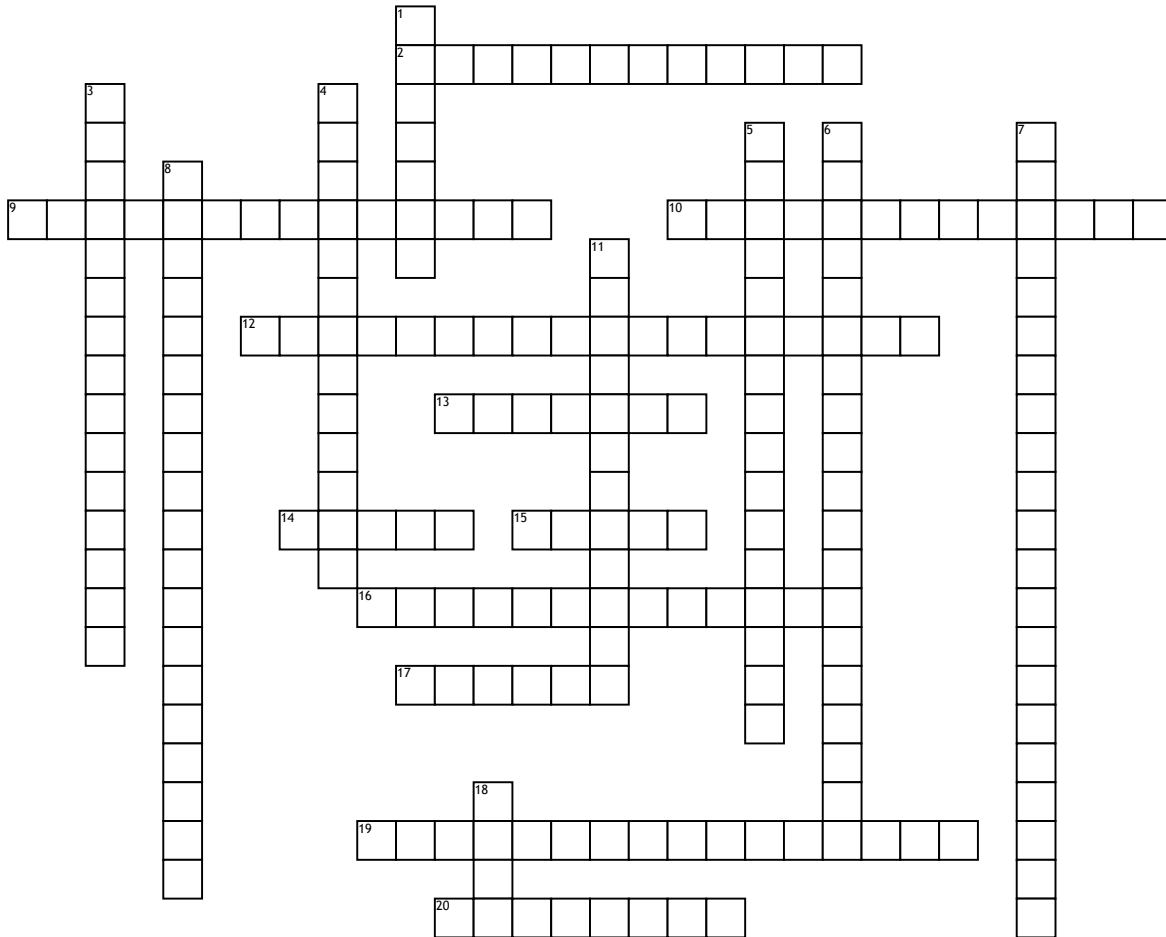


Physical Science



Across

- 2. the use of reflected sound waves to determine distances or to locate objects
- 9. related to the potential energy stored in the bonds between the atoms in a compound
- 10. related to the potential energy stored between the particles in the nucleus of an atom
- 12. related to the motion of atoms or molecules in a substance
- 13. how much matter, or mass, there is in a given amount of space, or volume
- 14. a disturbance that travels through a medium as a longitudinal wave
- 15. a system that uses reflected sound waves to detect and locate objects under water

- 16. the change in frequency of a wave as its source moves in relation to an observer
- 17. the ability to do work, to cause a change, or to move an object
- 19. related to the movement or flow of electrons which carry a charge
- 20. the perception of the energy of a sound

Down

- 1. a unit used to compare the loudness of different sounds
- 3. the stored energy that results from the position, condition, or shape of an object
- 4. the echos of a sound that are heard after the sound source stops producing sound waves

- 5. related to the movement of an object or its position in gravity; allows an object to apply a force to another object and make it move; the sum of PE and KE of an object
- 6. a transverse wave that transmits electrical and magnetic energy through space at the speed of light
- 7. energy that is reflected or emitted from objects in the form of electrical and magnetic waves that can travel through space
- 8. related to the vibrations of an electrical charge or magnetic field that produces electromagnetic waves that can travel through a vacuum such as space
- 11. the energy that an object has due to its motion
- 18. a reflected sound wave