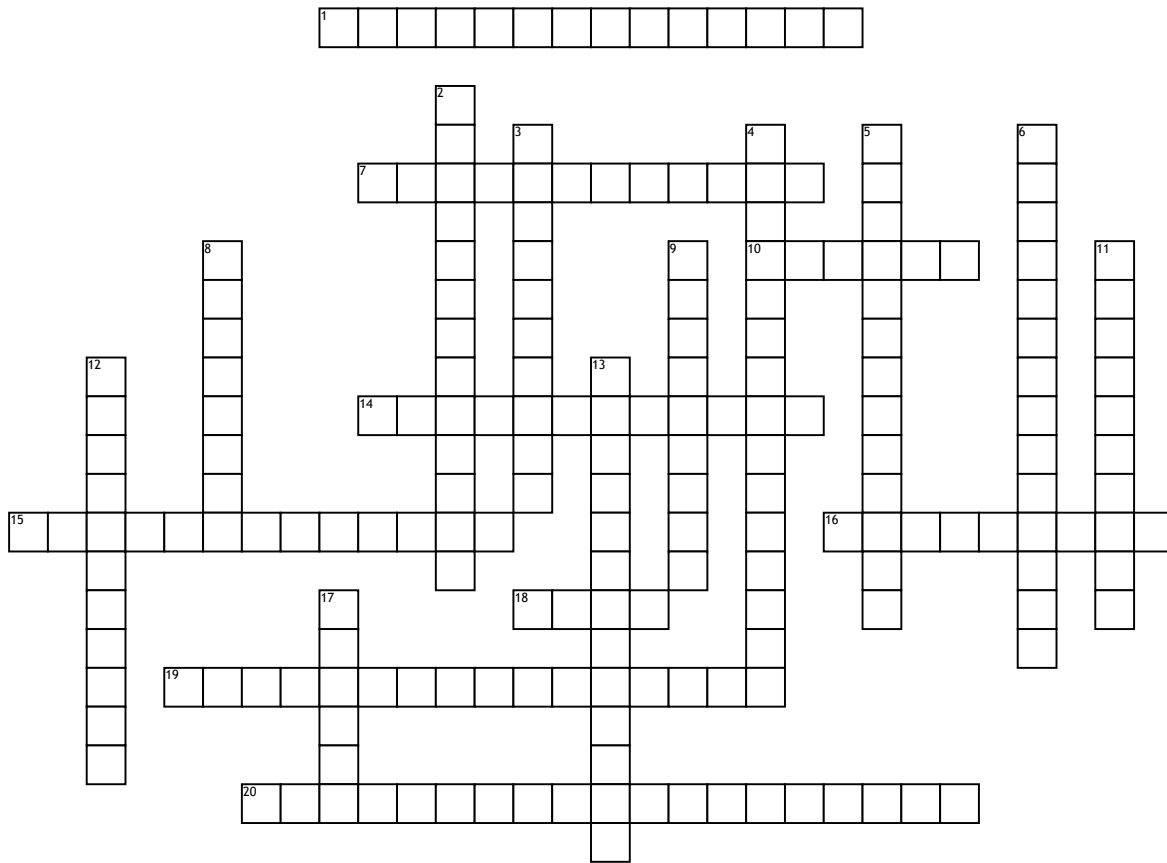


Name: \_\_\_\_\_

# Science



## Across

- 1. disturbance from the perpendicular direction of a wave
- 7. law of ? of energy, energy can not be created or destroyed but can transfer or transformed
- 10. Ability to cause change
- 14. wave that moves particles back and forth parallel to the direction of wave
- 15. electromagnetic waves carry
- 16. wavelengths passing a point each second

- 18. Transfer of energy that occurs when a force makes an object move in the same direction of the force
  - 19. potential and kinetic energy together in a system of objects
  - 20. wave traveling through empty space or matter
- ## Down
- 2. Energy due to motion
  - 3. direction changes of a wave as it moves through different matters
  - 4. Stored energy due to the interactions between objects or particles

- 5. kinetic and potential energy particles that make up an object
- 6. electric current carries
- 8. resistance between two surfaces sliding against each other
- 9. maximum distance a was goes from its rest point
- 11. wave that only travels through matter
- 12. energy carried by sound
- 13. energy stored and released in the nucleolus of an atom
- 17. BONUS! materials that light can't pass through