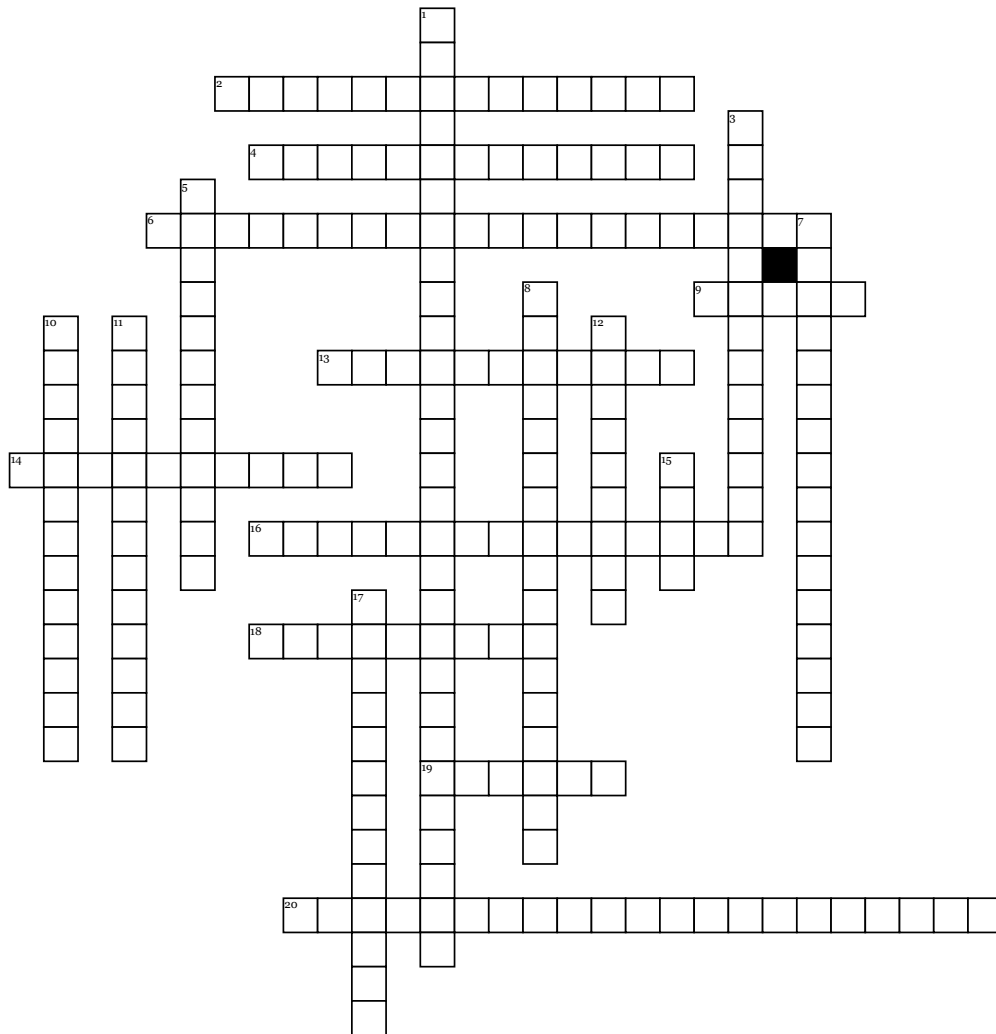


# Science Vocabulary



**Across**

- 2. Stored in the bonds between atoms in molecules. (Examples: gasoline, pizza)
- 4. The motion of waves, electrons, atoms, molecules and substances. (Examples: radiant, thermal, motion, sound, electrical)
- 6. A resource that cannot be readily replace by natural means (Examples: coal, oil, natural gas, petroleum, nuclear)
- 9. Movement of energy through a medium.
- 13. Movement of energy through substances in longitudinal waves which produces vibration. (Examples: music, echos)
- 14. The distance between two peaks of a wave.
- 16. Stored energy. (Examples: chemical, nuclear, elastic, gravity)

- 18. The distance between the midline of a wave and the crest/trough. Measures how much energy is being transported.
- 19. Measurement of a system's ability to do work. It can be transferred between objects but is never created or destroyed.
- 20. The change of energy from one form to another.

**Down**

- 1. Energy of place or position. (Example: person at the top of a slide)
- 3. The internal energy in substances - also known as heat - caused by the vibration or movement of molecules. (Example: fire)
- 5. The energy of the movement of a substance from one place to another (Examples: wind, moving water)

- 7. The movement of electrons. (Examples: lightning, electricity)
- 8. Any resource that can be replaced naturally. (Examples: solar, wind, hydropower, geothermal, biomass)
- 10. Electromagnetic energy that travels in transverse waves. (Examples: light, TV, microwaves)
- 11. Stored in the nucleus or center of an atom. (Example: plutonium)
- 12. The number of wave cycles that are completed per second.
- 15. Measurement of energy transfer that occurs when an object is moved over a distance by an external force.
- 17. Stored in objects by the application of force. (Examples: filled balloons, compressed springs)

**Word Bank**

- |                       |                                |                    |                        |
|-----------------------|--------------------------------|--------------------|------------------------|
| Nonrenewable Resource | Potential Energy               | Amplitude          | Energy                 |
| Sound Energy          | Gravitational Potential Energy | Chemical Energy    | Radiant Energy         |
| Nuclear Energy        | Work                           | Frequency          | Thermal Energy         |
| Motion Energy         | Kinetic Energy                 | Waves              | Wavelength             |
| Elastic Energy        | Electrical Energy              | Renewable Resource | Energy Transformations |