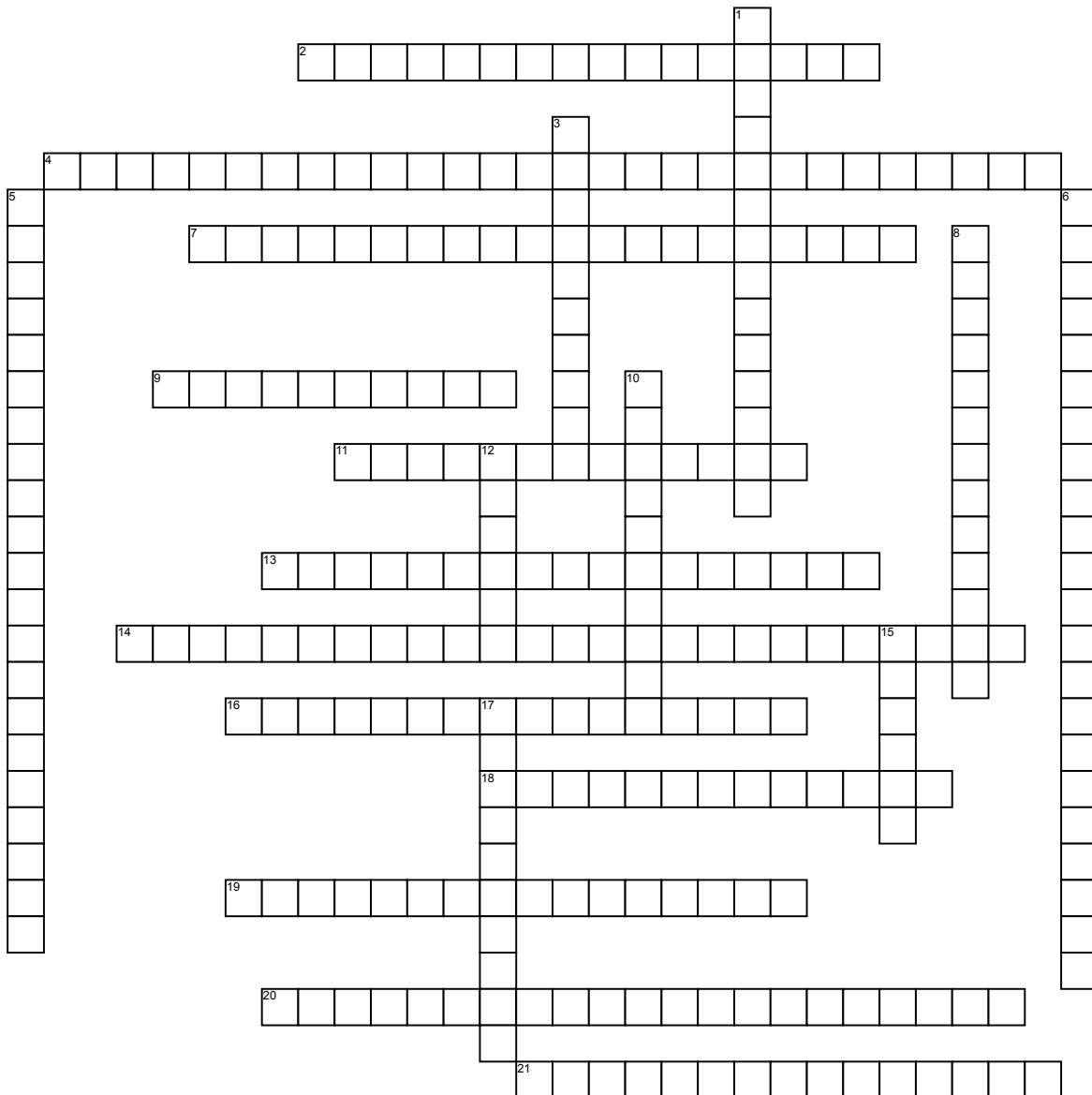


Energy



Across

- 2. heat required to raise the temperature of the unit mass.
- 4. potential energy an object has due to its position in a gravitational field. The higher an object is the greater it's gravitational potential. As it falls, the gravitational potential becomes kinetic energy.
- 7. process of changing one energy to another.
- 9. a process where a substance reacts with oxygen to give heat and light.
- 11. the internal energy of a system in thermodynamic equilibrium due to it's temperature.
- 13. has to do with convection.

- 14. the law stating that the total the amount of energy in any isolated system remains constant, and cannot be created or destroyed, but it may change form.
- 16. energy made available by the flow of electrical charge through a conductor.
- 18. Energy released by a nuclear reaction.
- 19. the sum of potential energy and kinetic energy of a body or system.
- 20. the potential energy of an electric or magnetic field.
- 21. the energy of a body with respect of the position.

Down

- 1. the part of energy in a substance that can be released by a chemical reaction

- 3. a fuel derived from hydrocarbon deposits.
- 5. the potential energy of an electric or magnetic field.
- 6. potential energy that is stored when a body is deformed.
- 8. the energy of a body with respect to the motion of the body.
- 10. the transfer of heat through a fluid.
- 12. made up of normal particles. mass and volume.
- 15. the strength and vitality required for sustained physical or mental activity
- 17. the transmission of heat or electricity or sound.