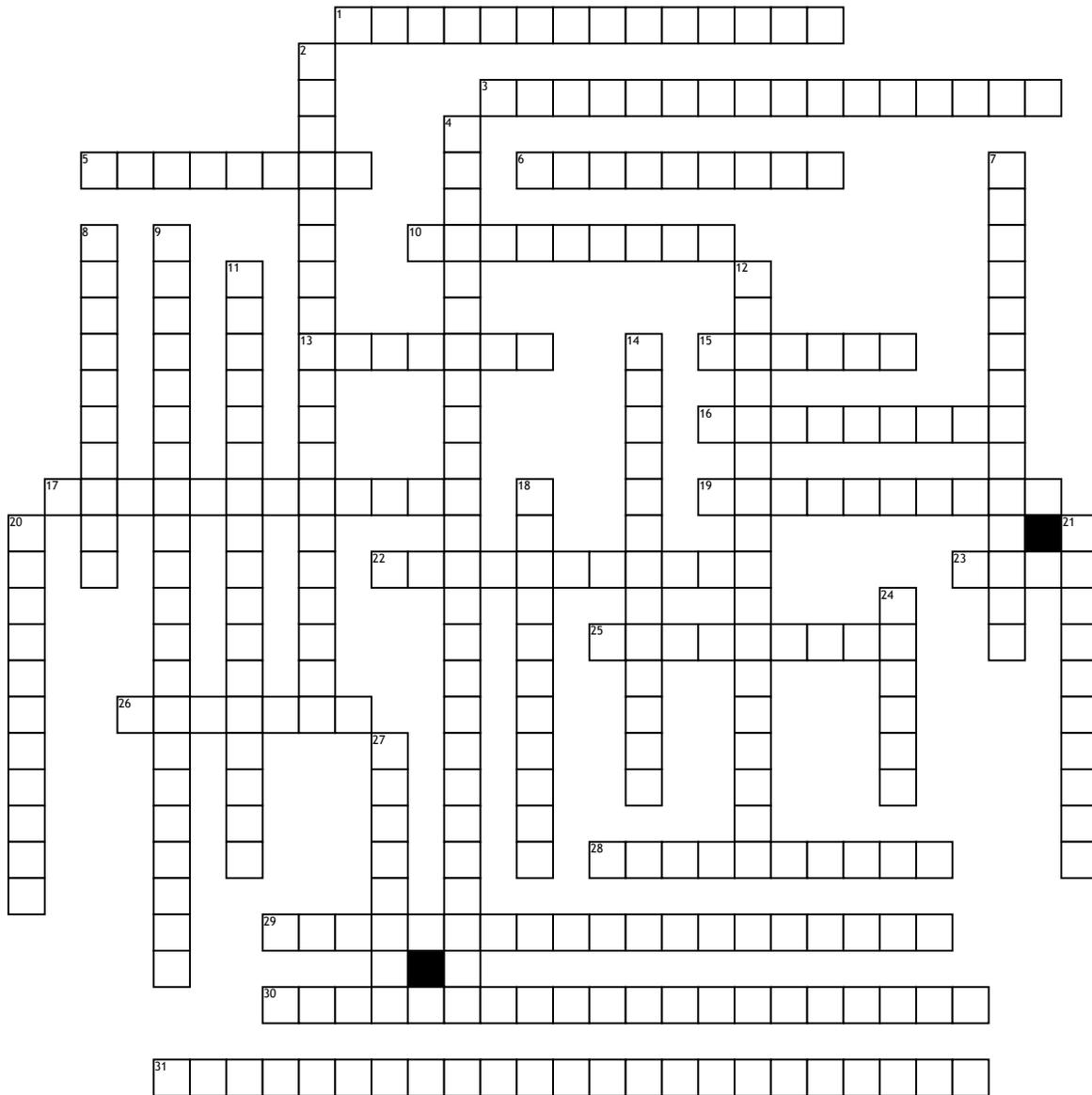


7th Grade Science Vocabulary Crossword Puzzle



Across

- 1. A wave that is an oscillation of matter, and therefore transfers energy through a medium
- 3. A wave vibrating in the direction of propagation
- 5. An organism that consumes producers
- 6. A material through which electric current can pass
- 10. A hierarchical series of organisms each dependent on the next as a source of food
- 13. The branch of biology that deals with the relations of organisms to one another and to their physical surroundings
- 15. Not able to be seen through; not transparent
- 16. A substance that does not readily allow the passage of heat or sound
- 17. Any living component that affects the population of another organism, or the environment
- 19. An organism, especially a soil bacterium, fungus, or invertebrate, that decomposes organic material
- 22. Allowing light, but not detailed images, to pass through; semitransparent
- 23. How power is transported in
- 25. The emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles that cause ionization
- 26. A system of interlocking and interdependent food chains
- 28. The transfer of heat through fluids (gases or liquids) from a warmer spot to a cooler spot

- 29. One of the waves that are propagated by simultaneous periodic variations of electric and magnetic field intensity and that include radio waves, infrared, visible light, ultraviolet, X-rays, and gamma rays
- 30. The change of energy from one form to another
- 31. The range of wavelengths or frequencies over which electromagnetic radiation extends

Down

- 2. A variable whose variation does not depend on that of another
- 4. States that energy can neither be created nor destroyed; rather, it transforms from one form to another
- 7. A wave vibrating at right angles to the direction of its propagation
- 8. The process by which heat or electricity is directly transmitted through a substance when there is a difference of temperature or of electrical potential between adjoining regions, without movement of the material
- 9. States that matter is composed of a large number of small particles—individual atoms or molecules—that are in constant motion
- 11. The knowledge or source of knowledge acquired by means of the senses, particularly by observation and experimentation
- 12. A variable whose value depends on that of another

- 14. A nonliving condition or thing, as climate or habitat, that influences or affects an ecosystem and the organisms in it they can determine which species of organisms will survive in a given environment
- 18. Studying something carefully in order to learn
- 20. Allowing light to pass through so that objects behind can be distinctly seen
- 21. The fact or phenomenon of light, radio waves, etc., being deflected in passing obliquely through the interface between one medium and another or through a medium of varying density
- 24. The sum of kinetic and potential energy in an object that is used to do work Mechanical
- 27. An autotrophic organism that serves as a source of food for other organisms in a food chain