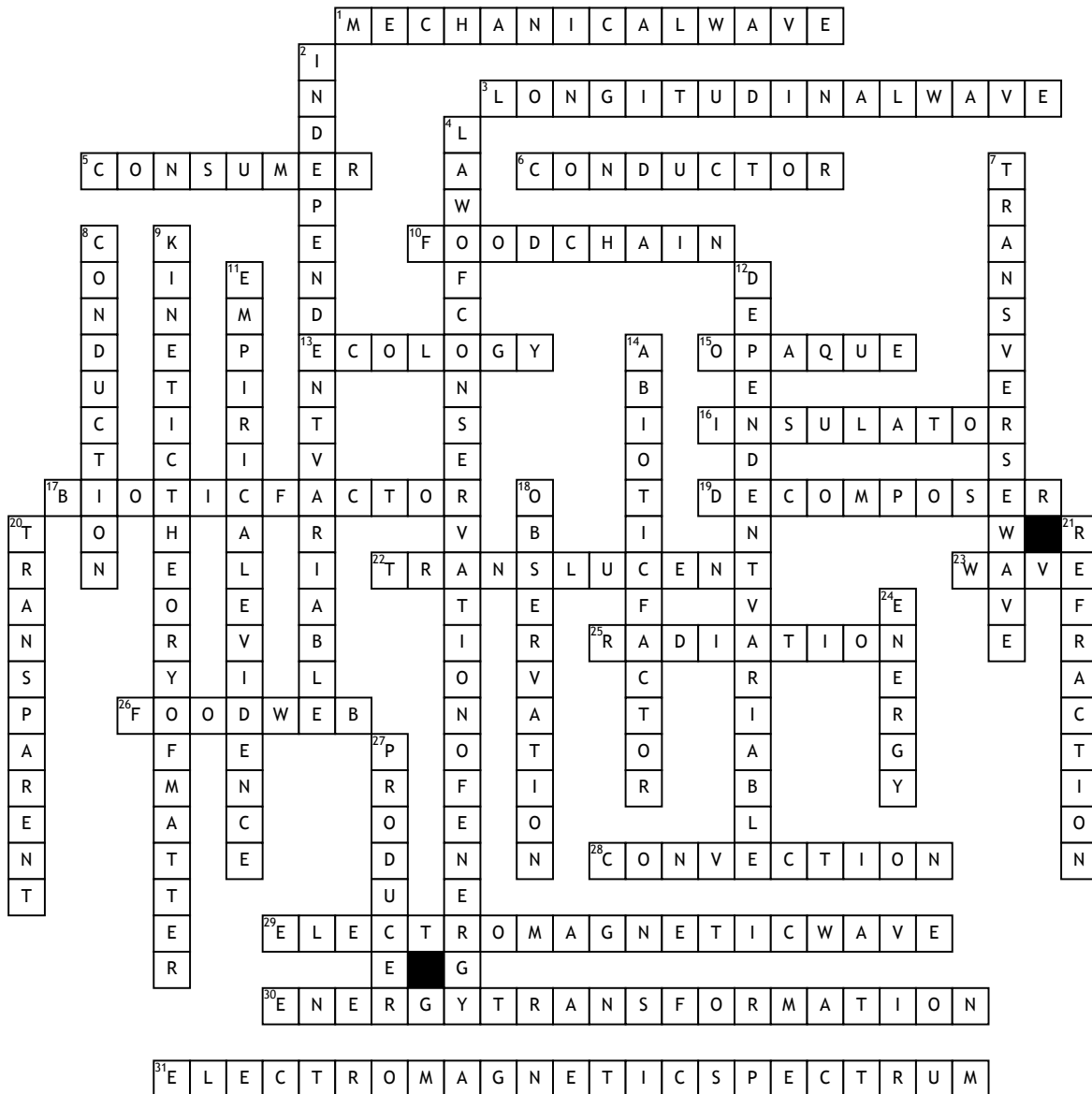


7th Grade Science Vocabulary Crossword Puzzle



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
8. A hierarchical series of organisms each dependent on the next as a source of food
9. The branch of biology that deals with the relations of organisms to one another and to their physical surroundings
10. Not able to be seen through; not transparent
11. A substance that does not readily allow the passage of heat or sound
12. Any living component that affects the population of another organism, or the environment
13. An organism, especially a soil bacterium, fungus, or invertebrate, that decomposes organic material
14. Allowing light, but not detailed images, to pass through; semitransparent
15. How power is transported in
16. The emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles that cause ionization
17. A system of interlocking and interdependent food chains
18. 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