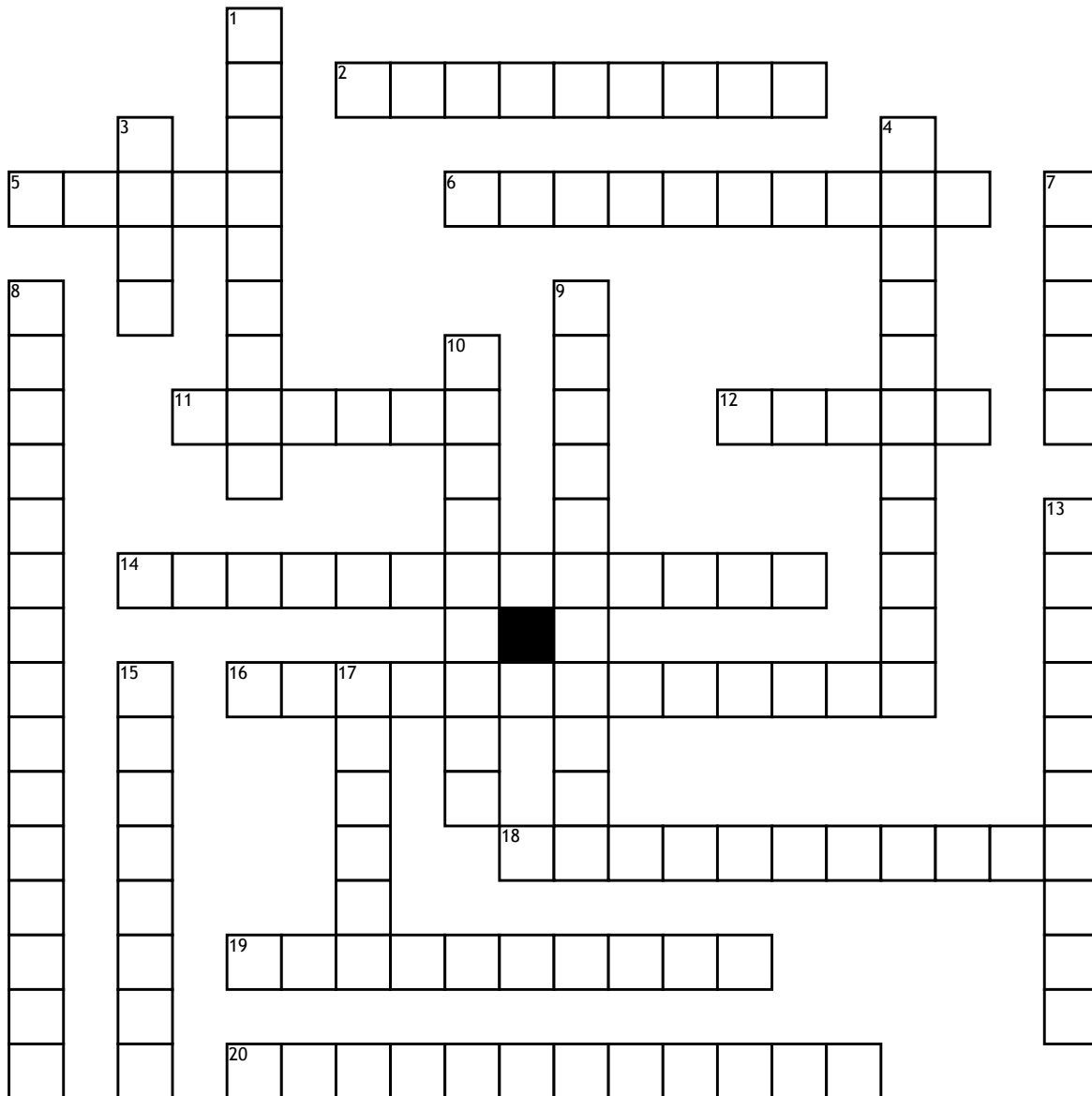


Name: _____

Date: _____

energy and motion



Across

2. the transfer of heat from electromagnetic waves
 5. the rate at which someone or something can move or operate
 6. is the process by which heat energy is transmitted through collisions between neighboring molecules
 11. the action or process of moving or being moved
 12. the rate at which something or someone can move or operate
 14. the overall average of the kinetic energy substance
 16. energy that a body possesses by virtue of being in motion.

18. 1. the degree or intensity of heat present in a substance or object, especially as expressed according to a comparative scale and shown by a thermometer or perceived by touch.
 19. 1. the movement caused within a fluid by the tendency of hotter and therefore less dense material to rise, and colder, denser material to sink under the influence of gravity, which consequently results in transfer of heat.
 20. a increase in the rate of speed of an object or person

Down

1. a material that transfers heat very well
 3. the quality of being hot; high temperature:
 4. energy that is a result of a vibration of particles

7. a si unit used to measure energy of work that is equal to one newton
 8. the energy possessed by a body by virtue of its position relative to others, stresses within itself, electric charge, and other factors
 9. a temperature scale commonly used by physicist
 10. a poor conductor of heat
 13. the ratio of useful output energy to input energy
 15. the speed that something goes in a given direction
 17. one unit of joule is equal to one...