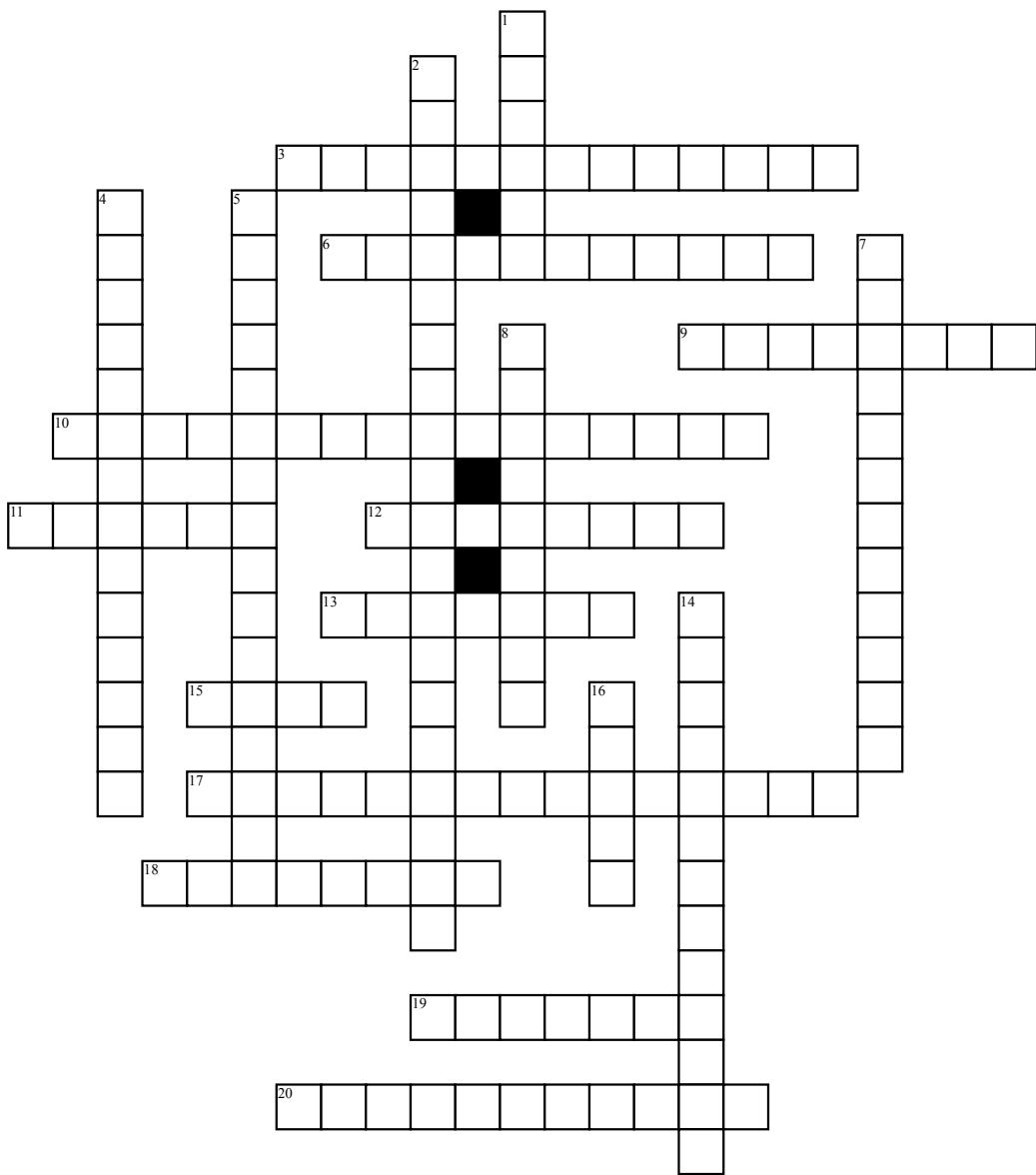


ENERGY



Across

- 3. is the energy of an object due to its motion
- 6. an organic compound that has acidic properties
- 9. the speed in a specific direction
- 10. is the sum of an object's kinetic and potential energy
- 11. quantity that has both size and direction
- 12. same number of protons but different number of electrons
- 13. positively charged particles in the nucleus

15. the smallest particle into which an element can be divided and still be the same element

17. is the energy that an object has due to its position, condition, or chemical composition

18. describes the location of an object

19. a small, dense center

20. is an organic compound that contains only carbon atoms and hydrogen atoms

Down

- 1. is a change in position over time

2. takes place when energy changes from one form to another form .

4. a location to which you compare other locations

5. a change that affects the nucleus of an atom

7. the way the velocity changes

8. negatively charged particles

14. gives the sun and stars energy

16. how quickly the object's position is changed