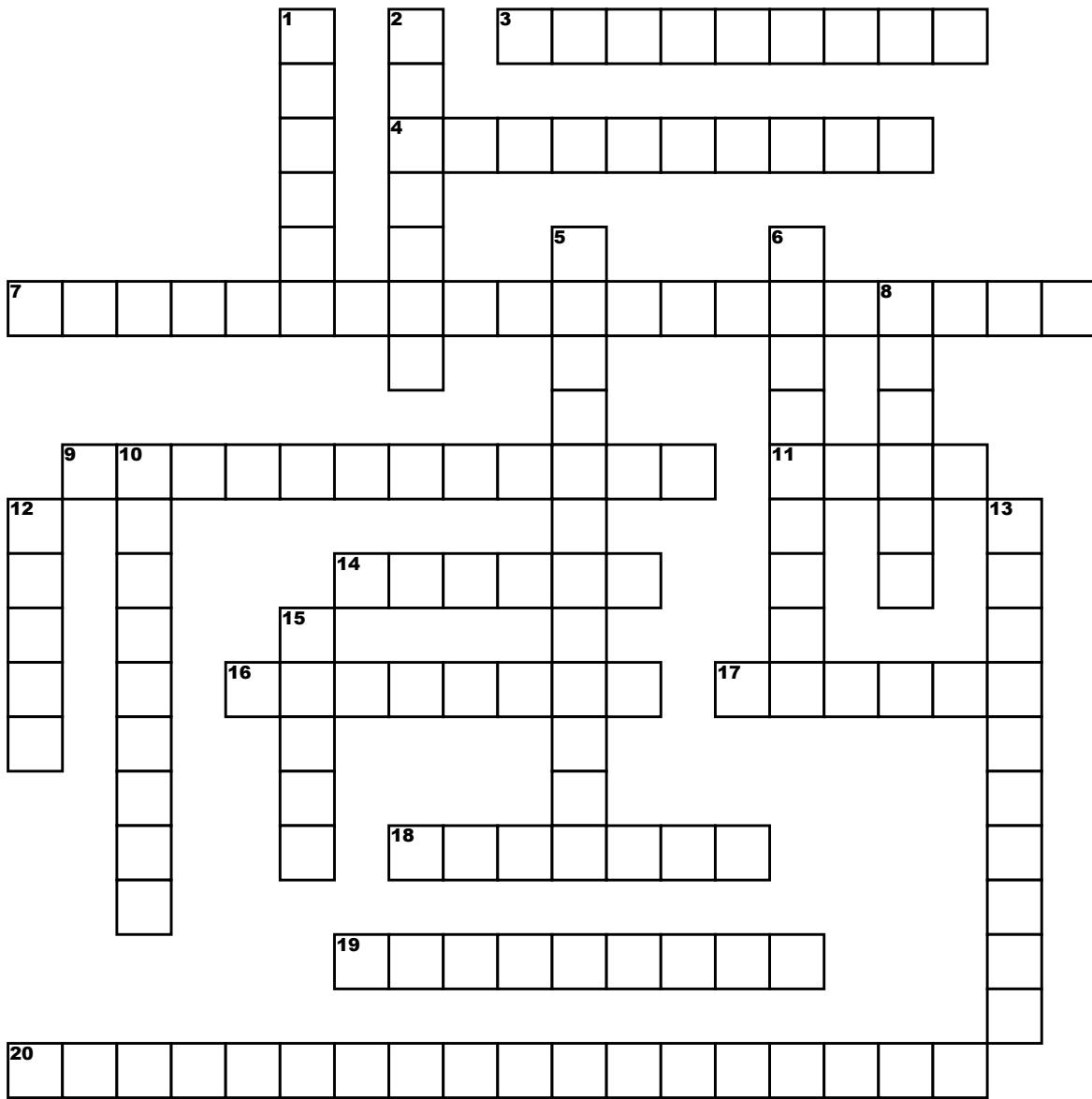


# Science energy



**Across**

3. Transfer of TE through waves through space  
 4. Transfer of TE by movement of particles in a fluid  
 7. When energy changes from one form to another, total amount of energy stays the same  
 9. Amount of heat needed to raise the temperature of one gram of a material by one degree Celsius  
 11. \_\_\_ is the transfer of energy

14. Most substances are smaller when they are \_\_\_

16. Major form of energy

17. The \_\_\_ law states that TE can move from cooler to warmer objects

18. \_\_\_ is the energy of motion

19. Major type of energy

20. Energy can be changed from one form to another

**Down**

1. Most objects are \_\_\_ when they are warmer  
 2. Major type of energy

5. A \_\_\_ energy source is limited in amount

6. A \_\_\_ energy source can be replaced in a short time

8. Is the ability to do work

10. \_\_\_ is the energy stored in an object

12. The \_\_\_ law states energy is conserved

13. Transfer of TE without transfer of matter

15. The \_\_\_ law states absolute 0 can not be reached