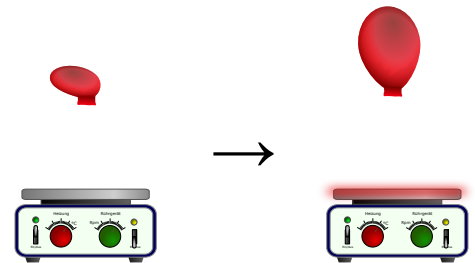
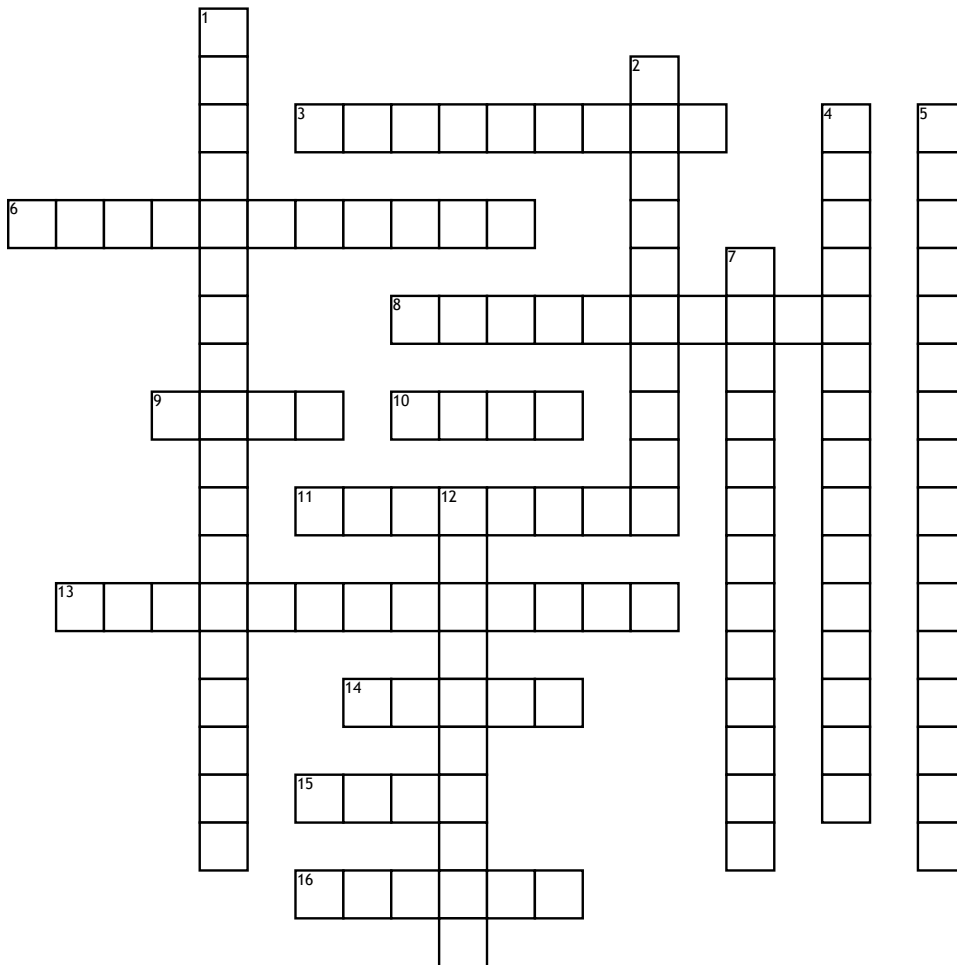


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Heat Transfer: Conduction, Convection, and Radiation



## Across

3. transfer of thermal energy by electromagnetic waves  
6. measure of the kinetic energy in the particles of a material  
8. transfer of thermal energy by the movement of matter from one place to another  
9. transfer of energy when a push or pull makes an object move  
10. material that can be burned to produce energy

11. force between two surfaces that resists  
13. movement of energy due to differences in temperature  
14. material made of liquids or gases that can easily change their locations  
15. movement of thermal energy from warmer objects to cooler objects  
16. ability to cause change

## Down

1. movement of fluid particles due to increased temperature and decreased density  
2. transfer of thermal energy by particle collision in matter  
4. stored energy  
5. increase in the volume of a substance when the temperature increases  
7. energy in motion  
12. materials which transfer energy easily are called \_\_\_\_\_