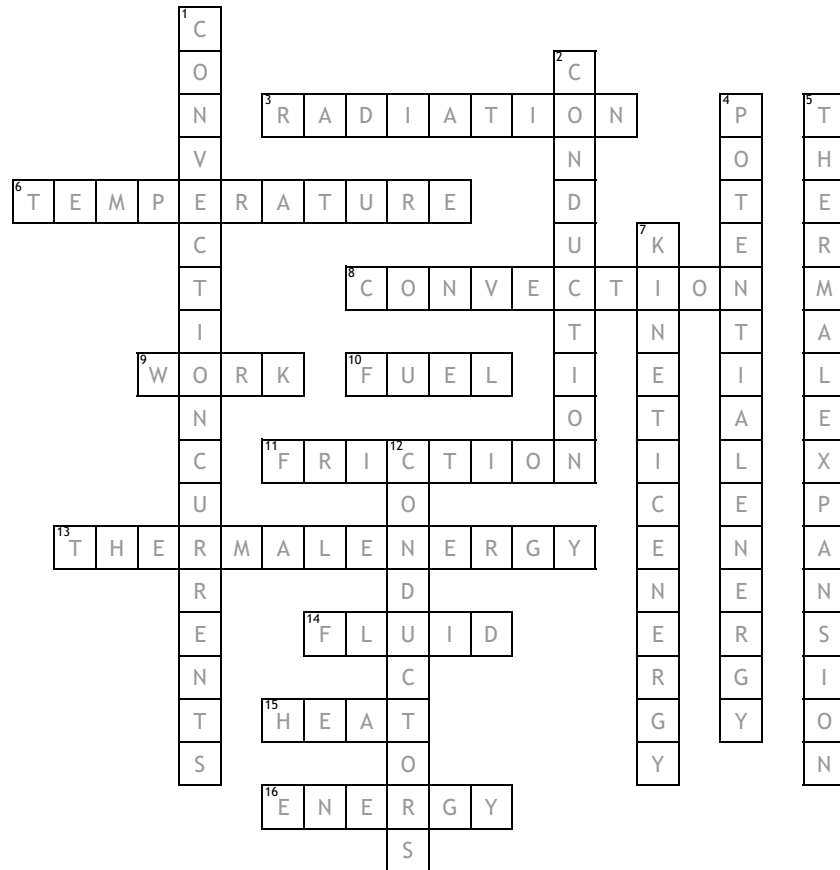


Heat Transfer: Conduction, Convection, and Radiation



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 _____.