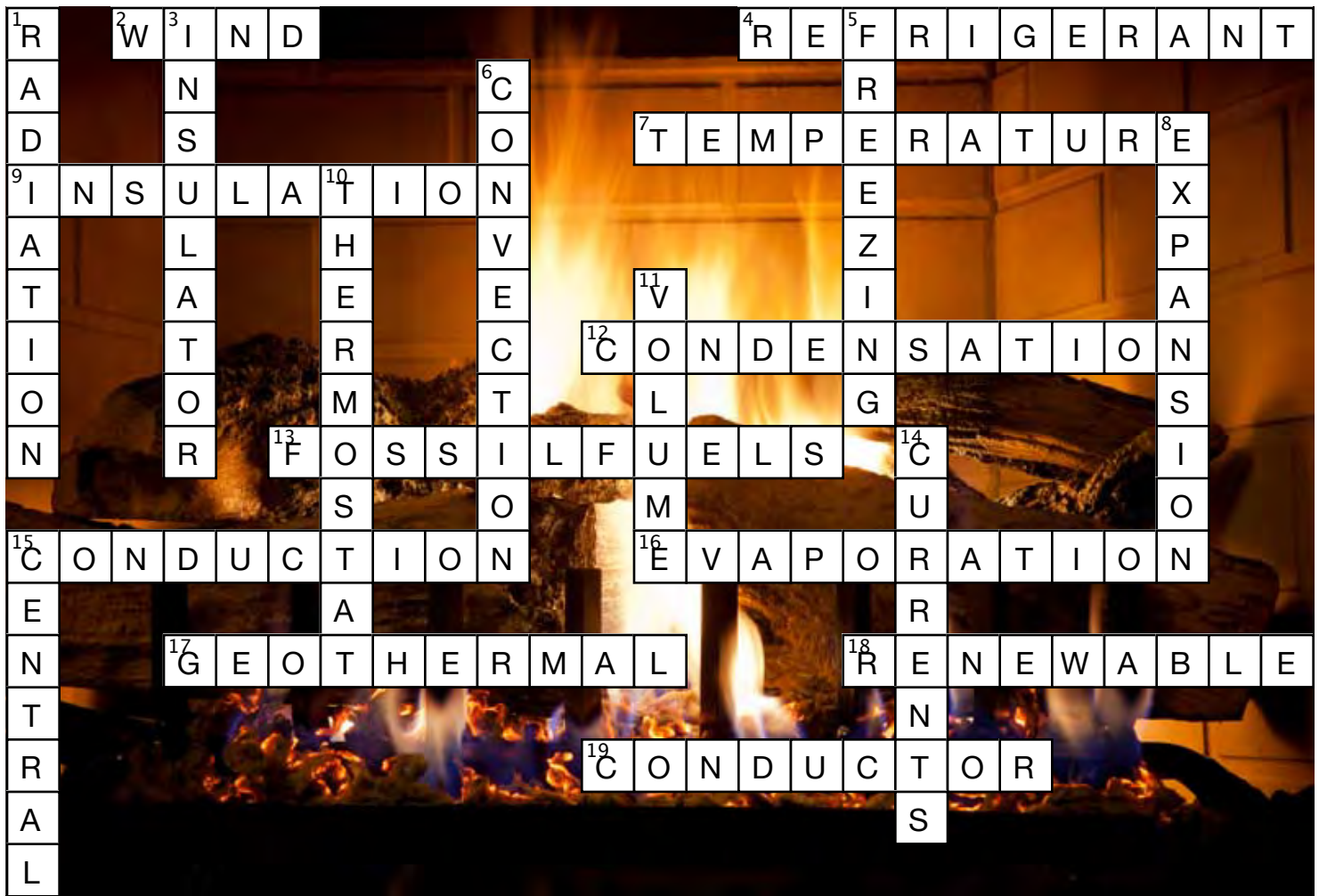


# Unit C Heat and Temperature Review Puzzle

Science 7  
ADLC



## Across

2. Electrical energy can be produced by moving air turning large turbines. This is an example of \_\_\_\_\_. [WIND]
4. Air conditioners contain a \_\_\_\_\_ that absorbs heat from the house. [REFRIGERANT]
7. A measurement of the average kinetic energy of the particles in a substance is \_\_\_\_\_. [TEMPERATURE]
9. To keep a house warm in the winter and cool in the summer, the walls should contain effective \_\_\_\_\_. [INSULATION]
12. \_\_\_\_\_ occurs when a gas changes to a liquid. [CONDENSATION]
13. Oil, natural gas, and coal are examples of the type of energy source called \_\_\_\_\_. [FOSSILFUELS]
15. Heat moves from particles in your feet to a cold floor. This illustrates a process of heat transfer called \_\_\_\_\_. [CONDUCTION]
16. \_\_\_\_\_ occurs when a liquid changes to a gas. [EVAPORATION]
17. Thermal energy located deep in the ground is called \_\_\_\_\_ energy. [GEOTHERMAL]
18. Tidal, wind, and solar energy are examples of \_\_\_\_\_ energy. [RENEWABLE]
19. A substance that lets heat move easily through it is called a(n) \_\_\_\_\_. [CONDUCTOR]

## Down

1. A glass screen covers a burning fireplace, but you can still feel heat from the fire through the glass. This illustrates a process of heat transfer called \_\_\_\_\_. [RADIATION]
3. A substance that does not let heat move easily through it is called a(n) \_\_\_\_\_. [INSULATOR]
5. The \_\_\_\_\_ point of water is the temperature at which water changes from a liquid to a solid. [FREEZING]
6. Hot air rises to the top floor of a building. This illustrates a process of heat transfer called \_\_\_\_\_. [CONVECTION]
8. During hot summer days, metal railway rails increase in length and power lines droop lower between poles. This is an example of thermal \_\_\_\_\_. [EXPANSION]
10. A \_\_\_\_\_ is a device used to control temperature in homes. [THERMOSTAT]
11. When particles of a substance increase in temperature, as a group they increase in \_\_\_\_\_. [VOLUME]
14. Convection \_\_\_\_\_ high in the atmosphere result in weather patterns. [CURRENTS]
15. Furnaces and boilers are often the main part of a \_\_\_\_\_ heating system. [CENTRAL]