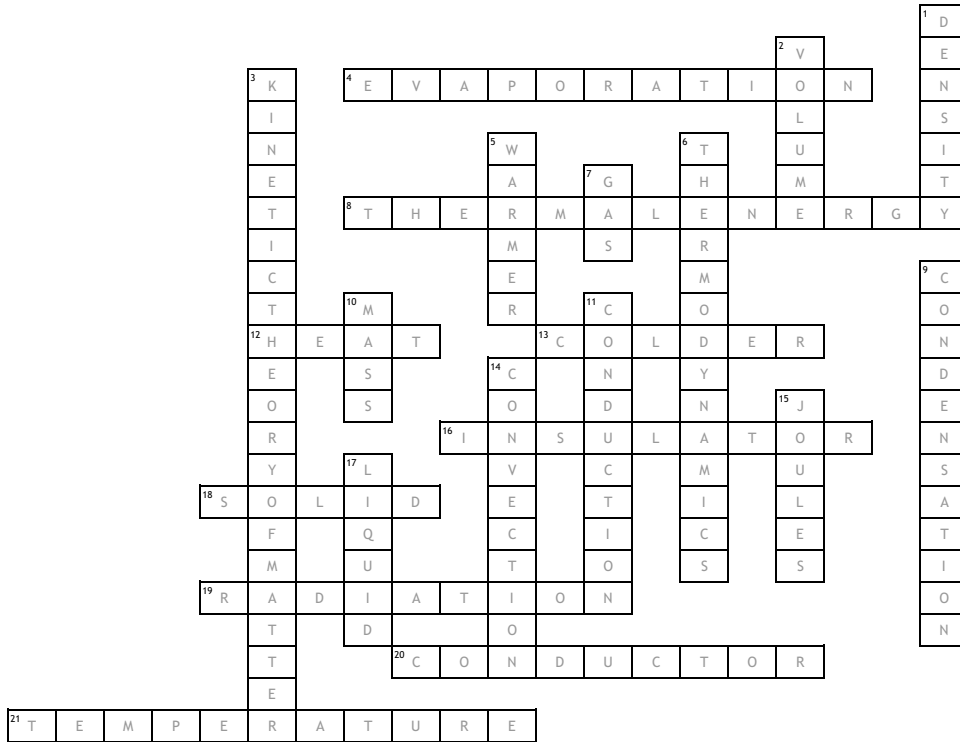


Heat and Energy Transfers



Across

4. Adding heat to a liquid causes _____
8. Measures the total kinetic energy of particles
12. The transfer of energy from a warmer object to a colder one
13. _____ objects are more dense
16. A material that does not transfer heat well
18. State of matter that has tightly packed particles that vibrate
19. How thermal energy transfers as electromagnetic waves
20. A material that transfers heat well
21. Measures the average kinetic energy of particles

Down

1. The comparison of how much matter there is in a certain amount of space
2. The amount of space an object takes up
3. Theory that states all particles that make up matter are constantly in motion
5. _____ objects are less dense
6. Study of heat movement
7. State of matter that has spread out particles that move freely and quickly
9. Removing heat from a gas causes _____
10. The amount of matter in an object
11. How thermal energy transfers between solid objects touching
14. How thermal energy transfers through liquids and gases
15. Unit used to measure energy
17. State of matter that has packed particles that move around