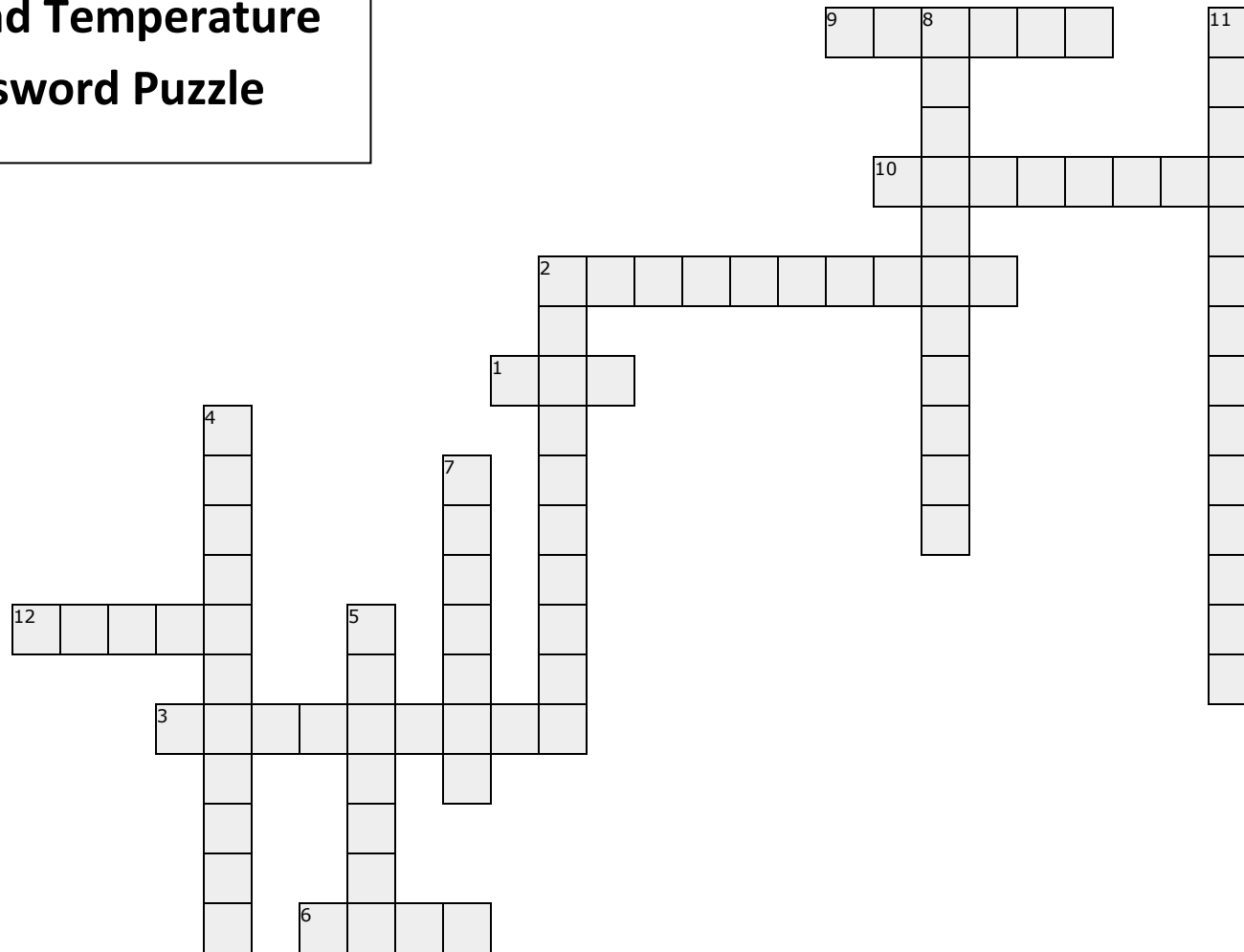


# Heat and Temperature Crossword Puzzle

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



## Across:

1. \_\_\_\_\_ calorie is equal to 4.18 joules.
2. The transfer of heat by direct contact of particles of matter
3. Heat transfer by electromagnetic radiation
6. The flow of energy from an object at a higher temperature to an object at a lower temperature.
9. All \_\_\_\_\_ is made up of tiny particles.
10. Heat is always the \_\_\_\_\_ of energy from an object at a higher temperature to an object at a lower temperature.
12. \_\_\_\_\_ is the standard scientific unit in which energy is measured.

## Down:

2. A form of heat transfer that uses liquid or gas for heating in the form of currents
4. The measure we use to quantify the sensations of hot and cold
5. Temperature is a \_\_\_\_\_ of the average kinetic energy of the particles in an object.
7. The amount of energy needed to raise the temperature of 1 gram of water by 1 degree Celsius.
8. \_\_\_\_\_ is a device used to measure temperature.
11. \_\_\_\_\_ is the total random kinetic energy of particles in an object.