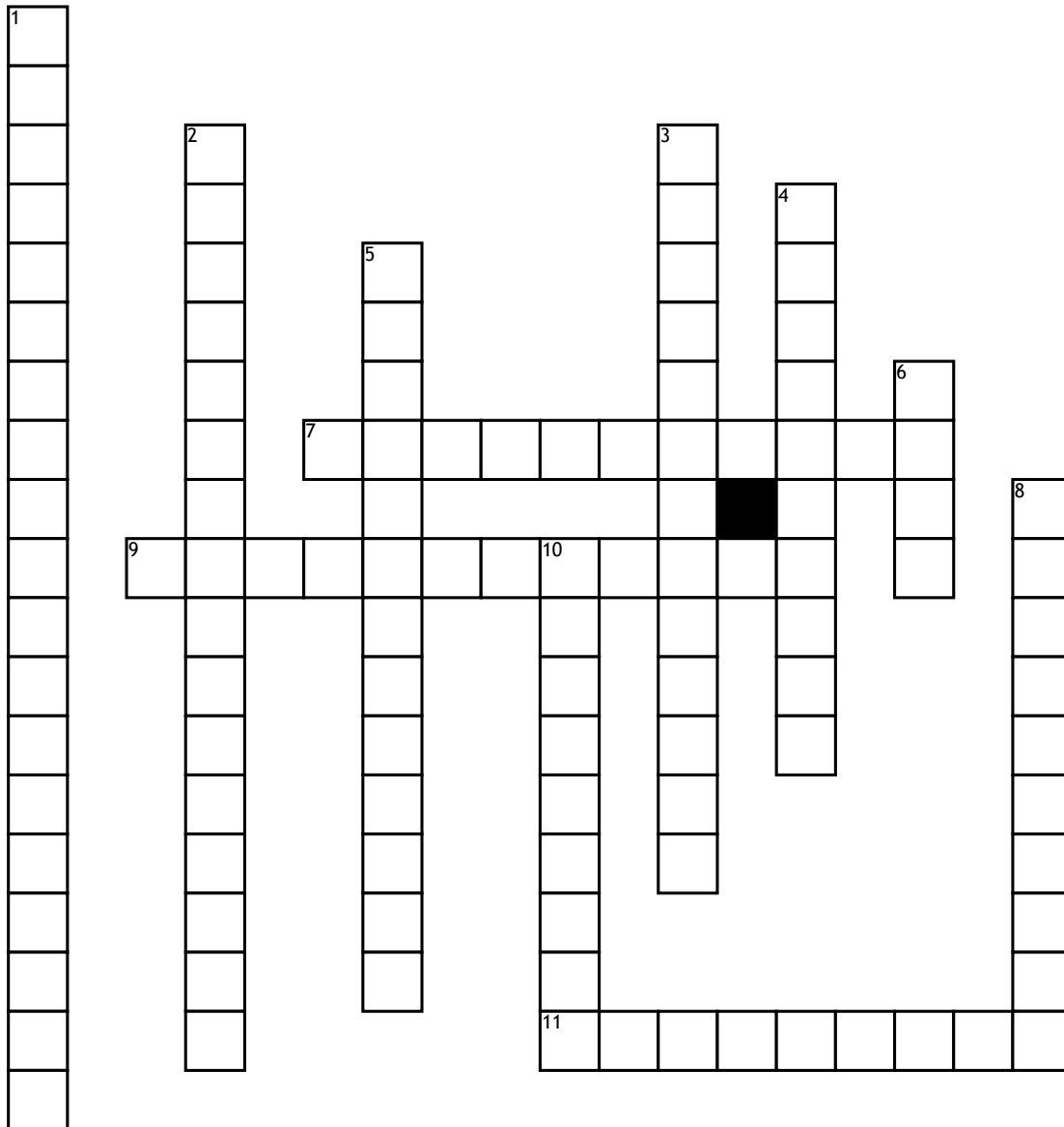


Name: _____ Date: _____ Period: _____

SCIENCE



Across

7. a measure of the average value of the kinetic energy of the molecules in a random motion

9. a substance is the amount of heat needed to raise temperature of 1kg of that substance by 1°C

11. occurs when energy is transferred by electromagnetic waves

Down

1. a wave produced by a vibrating electric charges that can travel in matter and empty space

2. this increase in the temperature of a body in water caused by adding warmer water

3. the sum of the kinetic and potential energy of all the molecules in a object

4. transfer of heat by direct contact

5. energy a moving object has that increases as the speed of the object increases

6. thermal energy that is transformed from one object to another when the objects are at different temperatures

8. this transfer of thermal energy by the movements of molecules from one part of a material to another

10. any material that easily transfers heat