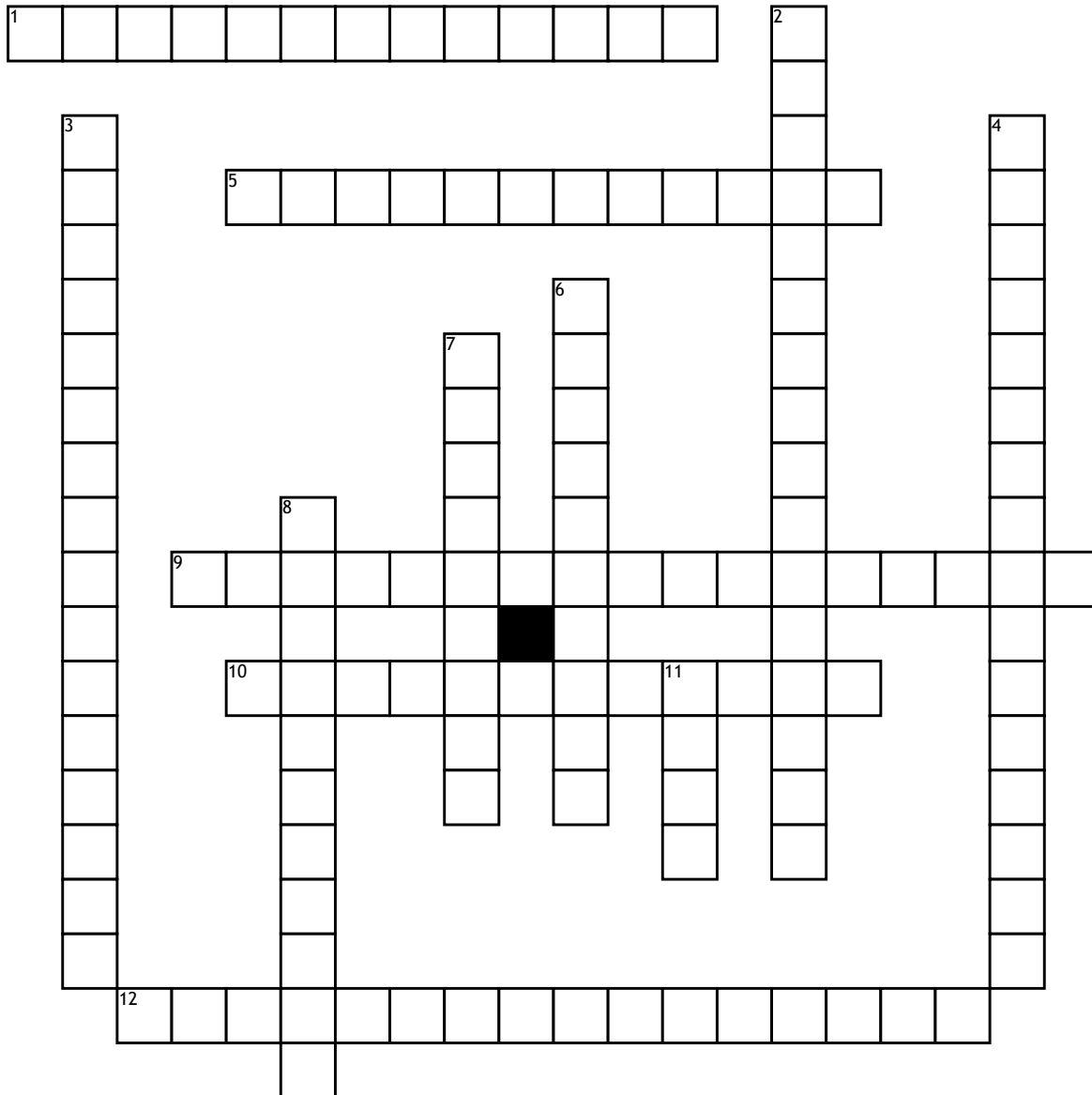


Name: _____

Date: _____

Thermal energy vocabulary



Across

1. the kinetic energy of a substance's atoms
 5. the temperature at which molecular energy is at a minimum
 9. the transfer of energy as heat through a material
 10. the quantity of heat required to raise a unit mass of homogeneous material 1K or 1°C in a specified way given constant pressure and volume

12. an increase in the size of a substance in response to an increase in the temperature of it

Down

2. a material that reduces or prevents the transfer of heat
 3. a temperature increase in a body of water that is caused by human activity and that has a harmful effect on water quality and on the ability of that body of water to support life

4. a material through which energy can be transferred as heat

6. the transfer of thermal energy by the circulation or movement of a gas or liquid

7. the transfer of energy as electromagnetic waves

8. a measure of how hot or cold something is; specifically a measure of the average kinetic energy of an object

11. the energy transferred between objects that are at a different temperature