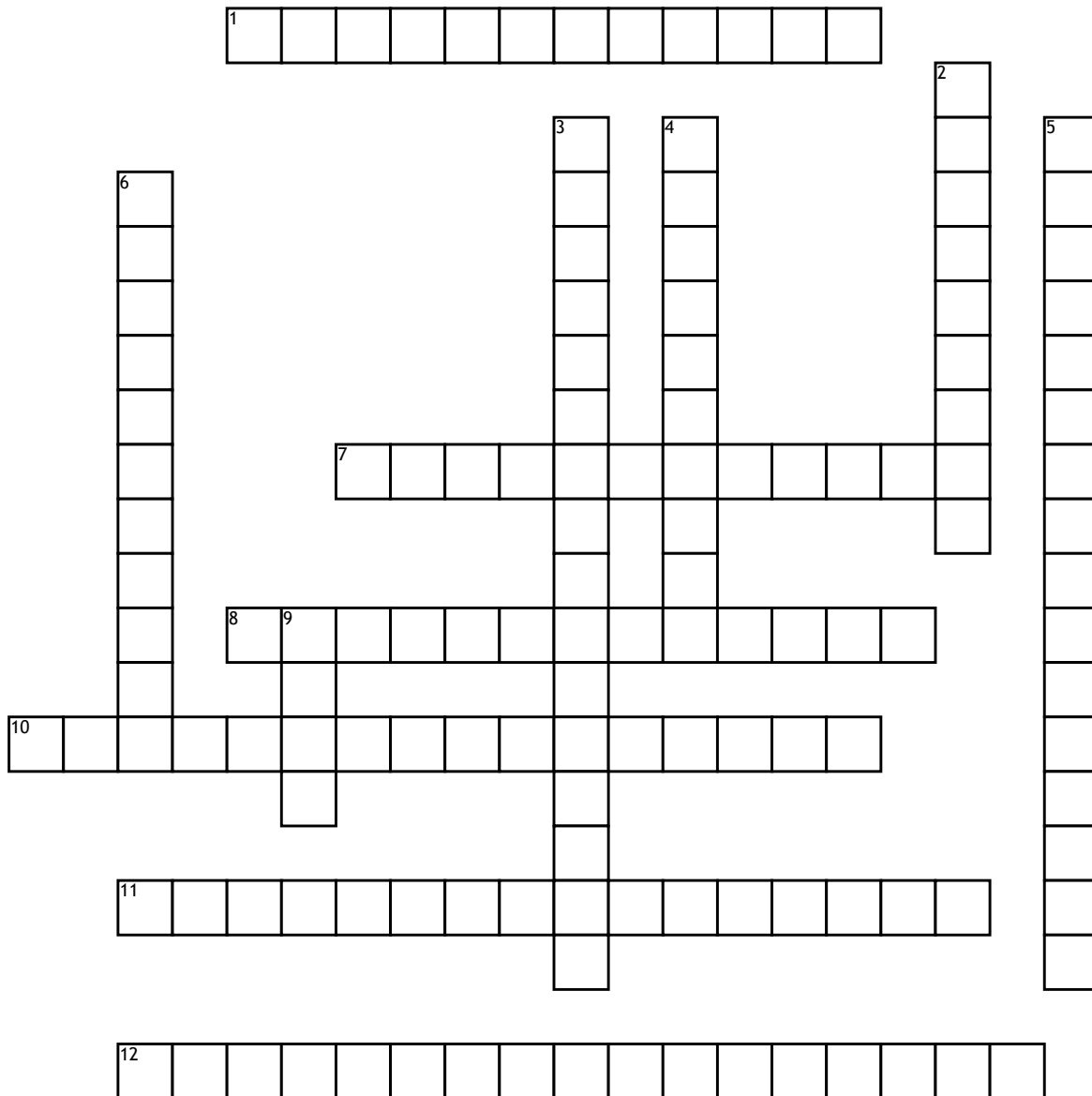


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Thermal Energy Vocab



## Across

1. the heat required to raise the temperature of the unit mass of a given substance by a given amount
7. the lowest temperature that is theoretically possible
8. the internal energy of an object due to the kinetic energy of its atoms and/or molecules
10. material of relatively low heat conductivity
11. a measure of the ability of a material to transfer heat

12. the transfer of heat (internal energy) by microscopic collisions of particles and movement of electrons within an object

## Down

2. the emission of energy as electromagnetic waves or as moving subatomic particles
3. the discharge of water or other liquid that is hot enough to harm wildlife into a natural body of water

4. the movement caused within a fluid by the tendency of hotter and therefore less dense material to rise, and colder, denser material to sink under the influence of gravity
5. the tendency of matter to change in shape, area, and volume in response to a change in temperature
6. the degree or intensity of heat present in a substance or object
9. high temperature