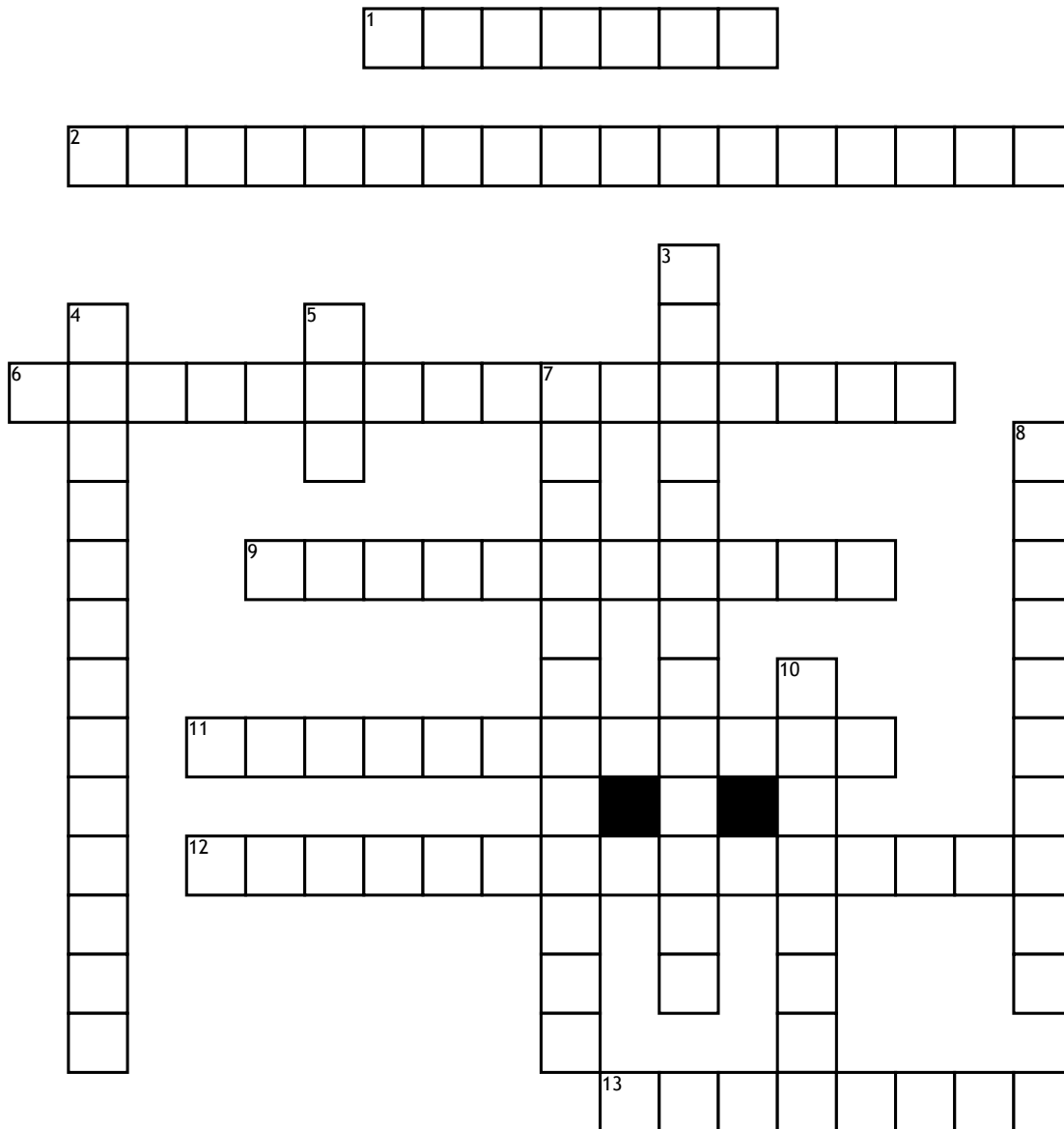


Name: \_\_\_\_\_

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

# Electromagnetism



## Across

1. a container consisting of one or more cells, in which chemical energy is converted into electricity and used as a source of power
2. induction to change mechanical energy into electrical energy
6. results when electric currents and magnetic fields interact with each other
9. electromagnets lift this off the tracks and move it forward

11. cool cars... jk... induction to increase or decrease the voltage of alternating current
12. a magnet that retains its magnetic properties in the absence of an inducing field or current

13. a coil of wire that carries an electric current, therefore produces a magnetic field

## Down

3. changes electrical energy into mechanical energy
4. wrapping a solenoid around an iron core

5. magnetic resonance imaging

7. device that measures the strength and direction of an electric current in a wire

8. an attachment, connected to the armature of a motor or generator, through which electrical connection is made and which ensures that the current flows as direct current.

10. a coil or loop of wire