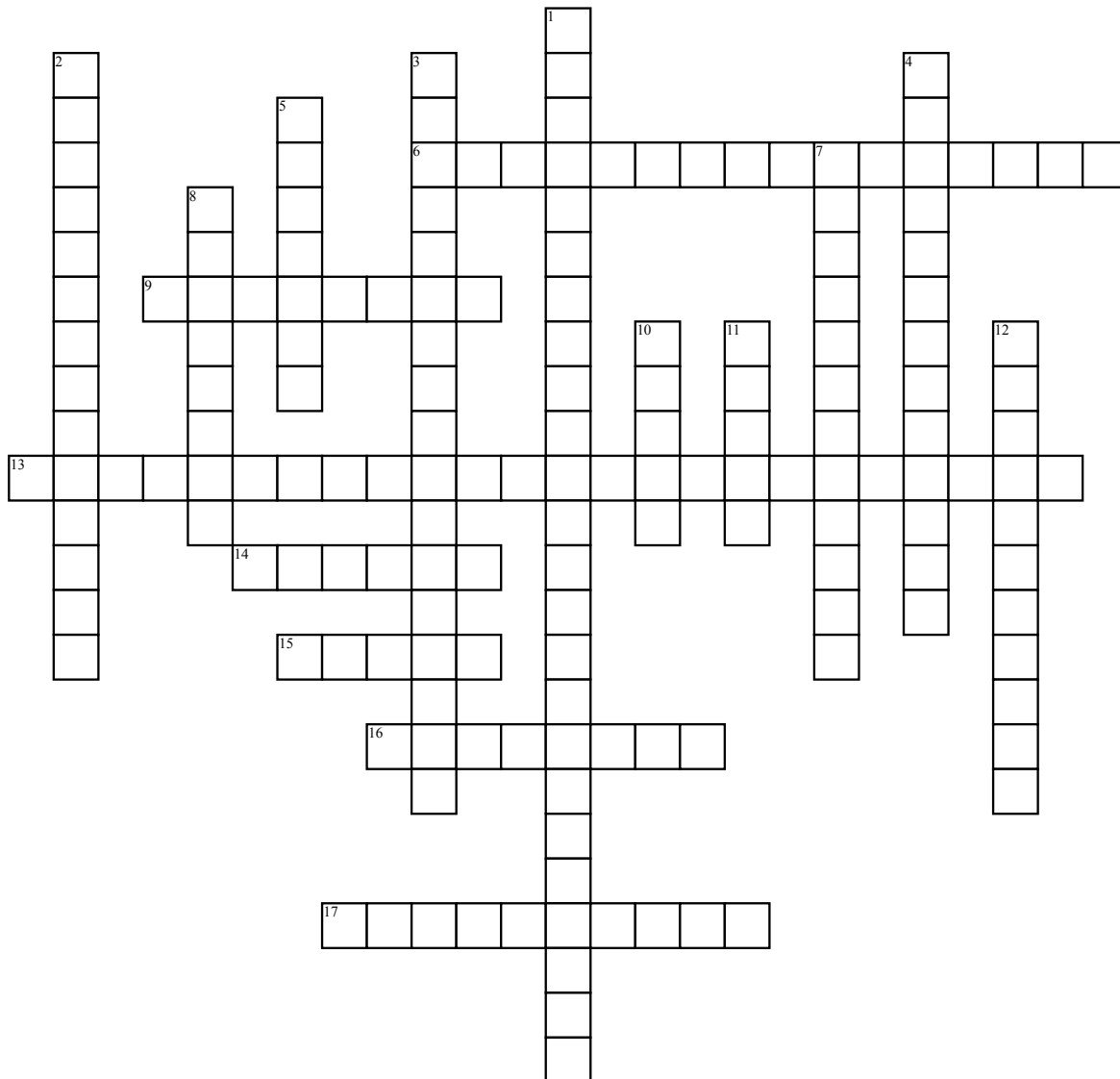


Name: _____ Date: _____ Period: _____

Electromagnetism



Across

6. A relationship between electricity and magnetism
9. A coil or loop of wire
13. Machines that use powerful electromagnets and radio waves to "see" inside the body
14. A compass needle is an example of a _____
15. Produced from burning fossil fuels or using nuclear reactions to heat water
16. A coil of wire that carries an electric current, and therefore produces a magnetic field

17. Reverses the direction of the current in the wire

Down

1. Using a magnetic field to create an electric current in a wire
2. Change electrical energy into mechanical energy.
3. Uses induction to change mechanical energy into electrical energy
4. Combines the magnetic field of the solenoid with the magnetic field of the magnetized iron core

5. Is increased to be sent miles away and decreased when sent to a single home
7. A device that measures the strength and direction of an electric current in a wire
8. Used in different types of power plants
10. Used to turn the wire in a generator
11. Are on the end of magnets
12. An important device that relies on electromagnetic induction