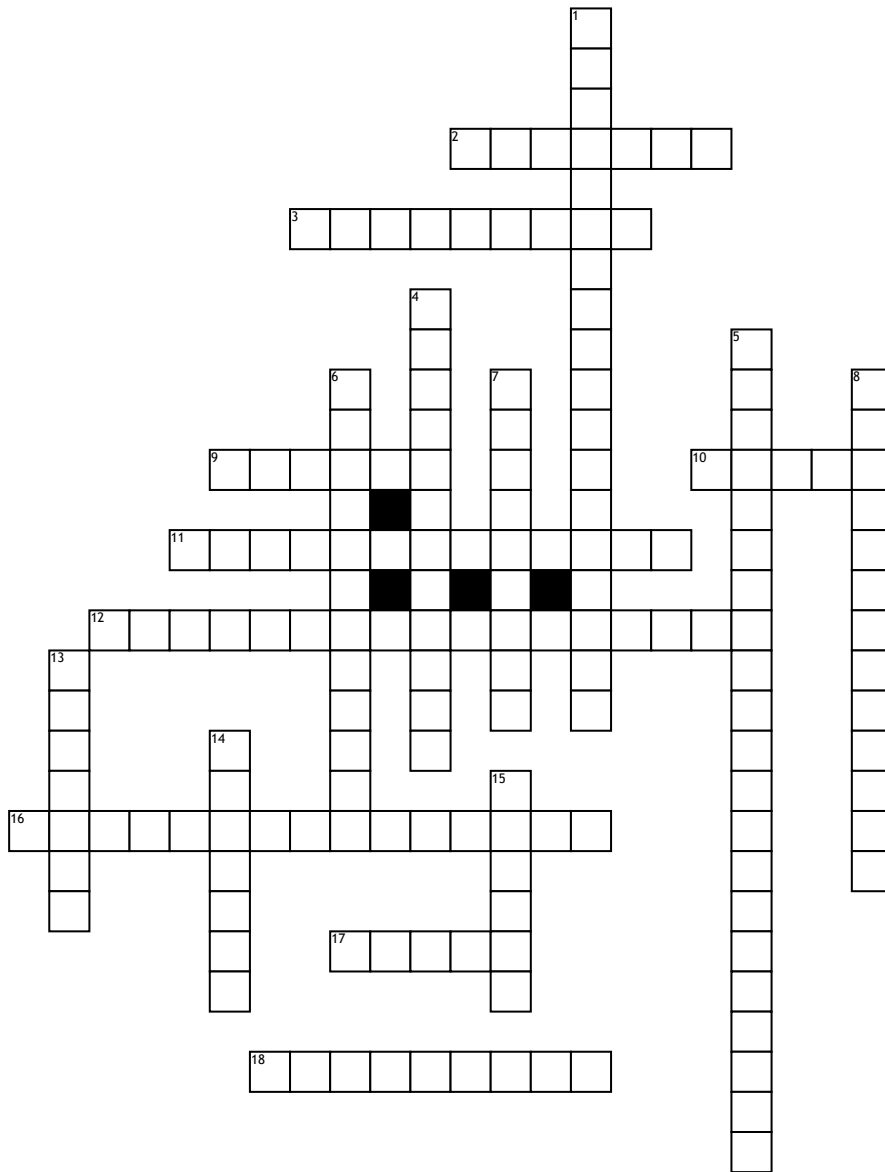


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# electricity and magnetism



## Across

2. any complete path along which charge can flow  
3. How many poles can magnets have  
9. SI unit of electric current  
10. An electronic device that restricts current to flow in a single direction in an electric circuit  
11. A modified galvanometer where the induced deflection makes a complete rather than a partial rotation.  
12. Energy a charge has due to its location in an electric field

16. Groups of atoms that make up aligned or unaligned magnetic fields

17. like magnetic poles...

18. a device used to store charge in a circuit

## Down

1. The resistance of a material to the flow of electric current through it; measured in ohms  
4. The end of a magnetic object where the magnetic force is the strongest.  
5. What are magnetic fields caused by?

6. A force field that fills the space around every electric charge or group of charges. Measured in Newtons per Coulomb  
7. A galvanometer calibrated to measure electric potential energy  
8. A magnet whose field is produced by an electric current. It is usually in the form of a wire coil with a piece of iron inside the coil.  
13. measured in volts  
14. opposite magnetic poles...  
15. A magnet with two different poles