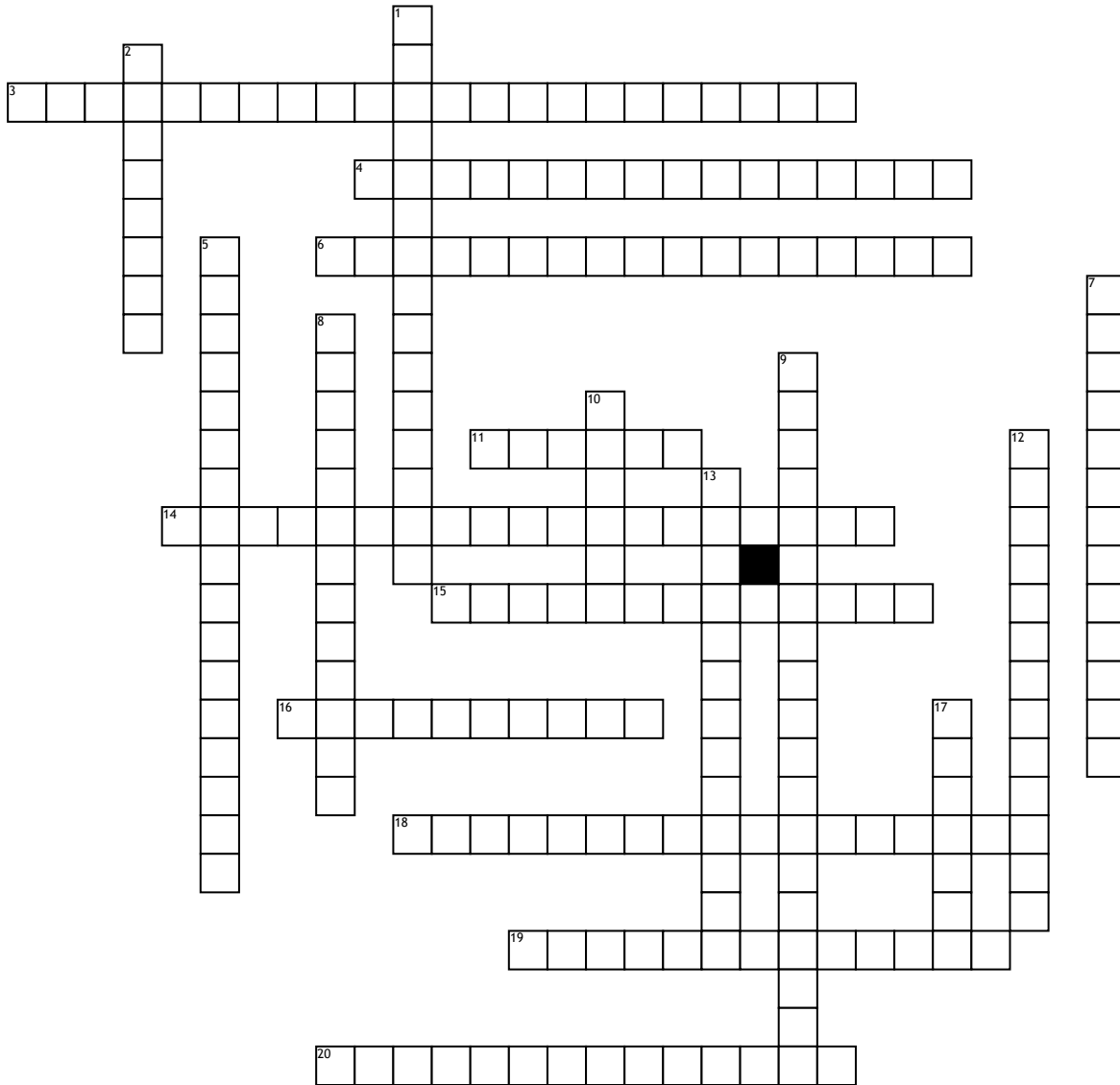


Name: _____

Date: _____

Vocabulary 2.0



Across

3. Things that are negatively charged and things that are positively charged pull on each other
4. The branch of physics involving the study of the electromagnetic force
6. Describes any flow of electric charge through a gas, liquid or solid
11. Region within a magnetic material in which the magnetization is in a uniform direction
14. A material whose internal electric charges do not flow freely
15. The area near any electrically-charged object
16. How strongly a given material opposes the flow of electric current
18. Any device for converting mechanical energy into electrical energy by electromagnetic induction

19. The points where the magnetic field lines begin and end.

20. Coils of wire which are driven by the magnetic force exerted by a magnetic field on an electric current

Down

1. The circuit is divided into two or more paths.
2. 1- A current carrying coil of wire that acts like a magnet when a current passes through it. 2- An assembly used as a switch consisting of a coil and a metal core free to slide along the coil axis under the influence of a magnetic field.
5. when objects that are not good electrical conductors are rubbed together, and electrons from one of the objects rub off onto the other
7. A closed circuit in which the current follows one path

8. Areas where an object exhibits a magnetic influence

9. A substance through which electrical current flows with small resistance

10. An object or a device that gives off an external magnetic field

12. Attraction or repulsion that arises between electrically charged particles because of their motion.

13. A device consisting of a coil of insulated wire wrapped around an iron core that becomes magnetized when an electric current flows through the wire

17. Electric potential energy per unit charge