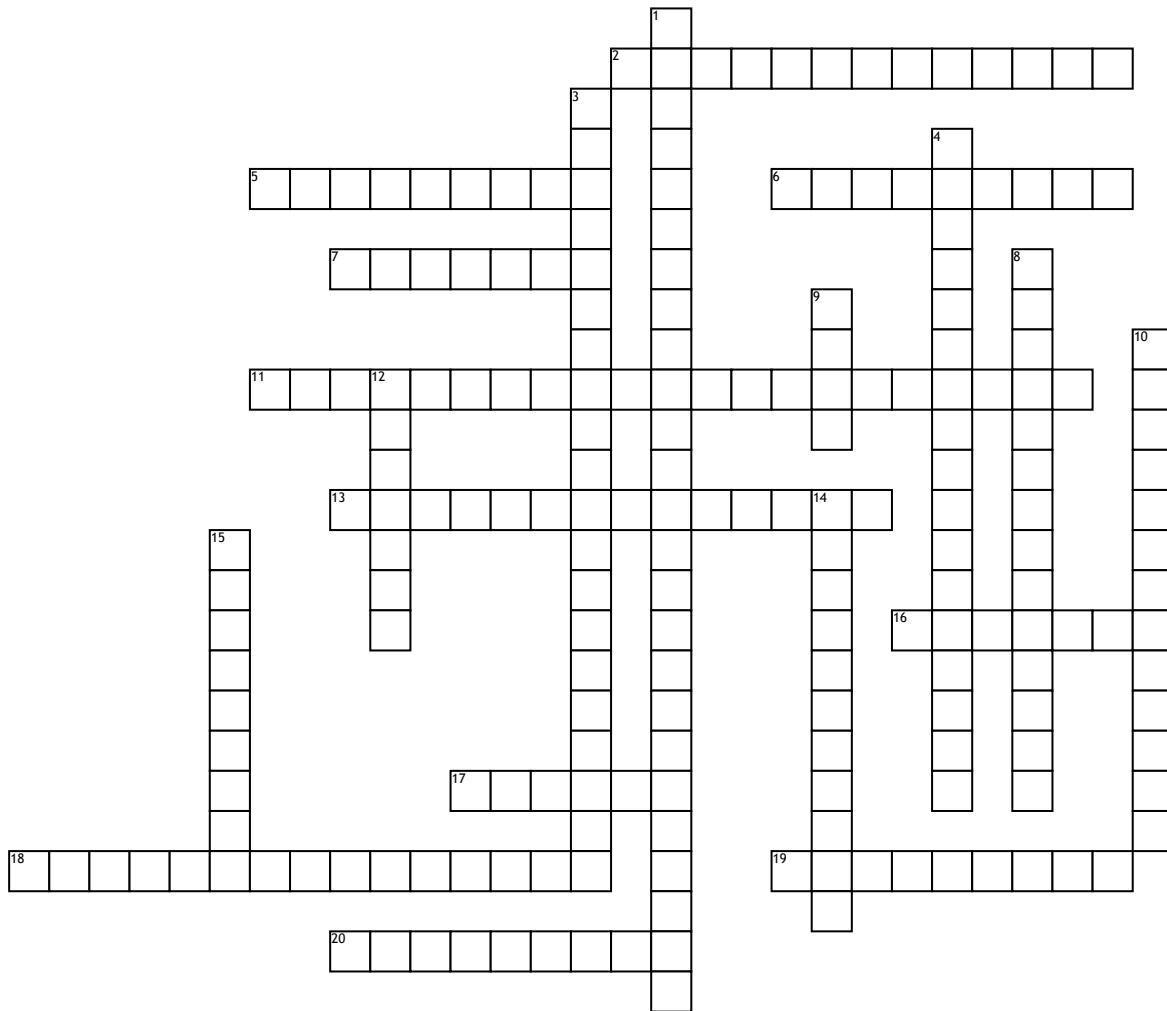


Name: _____

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Vocabulary Chapters 32 & 33



Across

2. A force field that fills the space around every electric charge or group of charges.
 5. The charging of an object without direct contact.
 6. A material that is a poor conductor of electricity.
 7. Electric potential; measured in volts.
 11. Term applied to an atom or molecule in which the charges are aligned so that one side is slightly more positive or negative than the opposite side.
 13. The study of electric charges at rest.

16. A term applied to electric charge that has been redistributed on an object because of the presence of a charged object nearby.
 17. The fundamental electrical property to which the mutual attractions or repulsions between electrons or protons is attributed.
 18. A force that one charge exerts on another.
 19. A device used to store charge in a circuit.
 20. Allowing charges to move freely along a connection between a conductor and the ground.

Down

1. Energy a charge has due to its location in an electric field.

3. The principle that net electric charge is neither created nor destroyed but is transferable from one material to another.
 4. Electrical potential energy per coulomb at a location in an electric field.
 8. Material that has infinite conductivity at very low temperatures, so that charge flows through it without resistance.
 9. The SI unit of electric potential.
 10. Material that can be made to behave as either a conductor or an insulator of electricity.
 12. SI unit of charge.
 14. The relationship among electrical force, charges, and distance.
 15. Material, usually a metal, through which electric charge can flow.