Quizlet

28 Multiple choice questions

1.	a ma	iterial that allows electric charge to flow easily through it
	a.	coulomb
	b.	insulator
	C.	induction
	d.	conductor
2.		mber of coils of wire wrapped around a soft metal core which affects a compass and attracts iron objects when lected to a source of current
	a.	electric field
	b.	electric shock
	c.	electron
	d.	electromagnet
2	+b	unit of the fundamental quantity of electric currents 1 appears - 1 coulembe per cocond
э.		unit of the fundamental quantity of electric current; 1 ampere = 1 coulombe per second
		ampere (A)
	b.	field
	C.	ammeter
	d.	dipole
4.	a reg	gion in which a physical force is operating; a region of influence
	a.	field
	b.	ammeter
	c.	dipole
	d.	fuse
Е	2 m2	iterial that electric charge finds very difficult to move through
٦.		coulomb
		conductor
	c.	insulator

- 6. electric charge that flows from positive to negative
 - a. electric current
 - b. electric circuit

d. induction

- c. conventional current
- d. conductor

- 7. where current flows through a person
 - a. electric shock
 - b. electric field
 - c. electric charge
 - d. electric circuit
- 8. a meter used to measure electric current
 - a. ammeter
 - b. field
 - c. ampere (A)
 - d. dipole
- 9. the force per unit positive charge acting on a charge in an electric field
 - a. electric field
 - b. electric current
 - c. electric field strength
 - d. electric field direction
- 10. the process of charging one object by bringing it near another charged object
 - a. electron
 - b. induction
 - c. conductor
 - d. insulator
- 11. the difference in electric potential energy per unit charge
 - a. electric potential energy
 - b. electromotive force (emf)
 - c. electric potential difference (V)
 - d. electric field direction
- 12. the energy stored in a charge placed in an electric field
 - a. electric charge
 - b. electric generator
 - c. electric potential difference (V)
 - d. electric potential energy

- 13. a device used to convert mechanical energy into electrical energy
 a. electric generator
 b. electric field
 c. electric circuit
- 14. the region in which a charge experiences an electric force
 - a. electric field
 - b. electric charge

d. electromagnet

- c. electric circuit
- d. electric shock
- 15. current that flows in one direction only
 - a. alternating current (AC)
 - b. ampere (A)
 - c. electric current
 - d. direct current (DC)
- 16. an electric current that reverses direction periodically
 - a. electric current
 - b. direct current (DC)
 - c. alternating current (AC)
 - d. conventional current
- 17. a negatively charged subatomic particle found in all neutral atoms
 - a. electron
 - b. electromagnet
 - c. field
 - d. induction
- 18. a device used to stop electric current when there is a fault in an electric circuit
 - a. circuit breaker
 - b. conductor
 - c. ammeter
 - d. insulator

19.	the connection to the earth of an appliance to protect a user from electrocution		
	a.	conductor	
	b.	electron	
	c.	induction	
	d.	earth connection	
20.	the p	roperty of matter which allows it to attract opposite charges and repel similar charges; can be positive or tive	
	a.	electric field	
	b.	electric charge	
	C.	electric current	
	d.	electric shock	
21.		nergy per unit charge supplied by a source of electric current; it is equal to the open circuit potential difference is a cell or battery	
	a.	electric field	
	b.	electromotive force (emf)	
	C.	electric current	
	d.	electric circuit	
22.	consists of a source of electric energy, a conduction pathway and a device that uses electric energy		
	a.	electric shock	
	b.	electric circuit	
	c.	electric current	
	d.	electric charge	
23.	the ra	ate of glow of electric charge past any point in a circuit	
	a.	electric charge	
	b.	electric field	
	C.	electric current	
	d.	electric circuit	
24.	the u	nit of electric charge equal to one ampere second	
	a.	dipole	
	b.	field	
	c.	fuse	
	d.	coulomb	

- 25. the average speed of movement in one direction of charge carriers in a conductor

 a. electron
 b. field
 c. dipole
 d. drift velocity
- ${\bf 26.}\ \ the\ direction\ in\ which\ a\ positive\ charge\ would\ experience\ a\ force\ if\ placed\ in\ the\ field$
 - a. electric circuit
 - b. electric field strength
 - c. electric field
 - d. electric field direction
- 27. two small equal but opposite charges separated by a distance
 - a. field
 - b. dipole
 - c. coulomb
 - d. fuse
- 28. a device consisting of a wire that melts when a predetermined current flows through it
 - a. fuse
 - b. field
 - c. coulomb
 - d. dipole