Ch	32 - Electrostatics Reading Guide Name	_Block
1.	Electrostatics represents electricity at	
2.	Electricity is a \underline{f} acting on you all the time, much like gravity.	
3.	What is charge?	
4.	Summary of 4 properties of atoms: *every atom hascharged nucleus.	
	*all are identical with the same mass and charge.	
	*a proton has nearlyx the mass of an electron.	
	*atoms usually have as many electrons as protons giving them no net	
5.	What is the fundamental rule at the base of all electrical phenomena?	
6.	A charged atom is called an	
7.	Which electrons in an atom are bound loosely?	
8.	Summarize the conservation of charge into a single sentence:	
9.	The formula for Coulomb's law is $F=Krac{q_1q_2}{d^2}$. What does each letter stand for?	
	k = (list the value)	
	q= and d=	
10.	. What is the SI unit for charge?	
11.	. What makes something a good conductor, and list an example.	
12.	. What is an insulator? Give an example.	
13.	. What is an example of a semiconductor and what are they used in?	
14.	. What temperatures do superconductors work best?	
15.	. What are 3 ways to charge on object?	
16.	. What does induction mean?	
17.	. When does charging by induction commonly occur?	
18.	. What does it mean to say that something is electrically polarized?	