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Name	Date	Class
Electricity • Guided	Reading and Study	
<b>Electric Charg</b>	ge and Static Elec	tricity
	v electric charges interact and expl	lains what an electric field is. It also
,		two questions that you have about inswer your questions.
	Transferring Static Electricit	ty
Q. What are the th	ree ways static electricity can be trans	sferred?
Α.		
Q.		
Α.		
Electric Charge		
-	oton is called	
· ·	lectron is called	
<ul><li>a. Charges that are</li><li>b. Charged objects</li><li>c. Charges that are</li></ul>	each statement that is true abou the same repel each other. never attract each other. different attract each other. always repel each other.	it interactions between charges.
4. Why do protons re	pel protons but attract electron	s?

**5.** The interaction between electric charges is called

me	Date	Class		
ctricity • Guided Reading	and Study			
ectric Charge and Sta	ntic Electricity (d	continued)		
ectric Force				
What is electric force?				
What is a region around a chon other charged objects?	narged object where th	e object's eletric force is exterted		
Electric field lines are drawn with arrows to show the of the electric force.				
. Is the following sentence true or false? The greater the distance, the stronger the electric field				
	o or more charges, the electric fields of each individual by repellng or attracting.			
atic Electricity				
		there is no overall		
· · · · · · · · · · · · · · · · · · ·	h positive charge is ba	alanced by a negative		
O	n no charged particle	S.		
How can an object become of	charged?			
The buildup of charges on a	n object is called			
If an object gains electrons,	what will be its overal	l charge?		
	ctric Charge and Stactric Force What is a region around a chon other charged objects?  Electric field lines are drawn of the electric force.  Is the following sentence true electric field.  When there are two or more charge  tic Electricity  Circle the letter of the sentence electric charge in a neutral of a. In the object's atoms, each charge.  b. The object's atoms contained. The positive charges are d. In the object's atoms, negative charges are d. In the object's atoms, negative charges are d. In the object's atoms, negative charges are d. In the object of charges on a man object become of the buildup of charges on a man object of charges	What is a region around a charged object where the on other charged objects?  Electric field lines are drawn with arrows to show of the electric force.  Is the following sentence true or false? The greate electric field.  When there are two or more charges, the electric field charge by repelling or extic Electricity  Circle the letter of the sentence that explains why electric charge in a neutral object.  a. In the object's atoms, each positive charge is bar		

Name	Date	Class		
Electricity • Guided Re	ading and Study			
Transferring Charge				
<b>15.</b> What law states that cl	harges are not created or dest	royed?		
<b>16.</b> Complete the table abo	out methods of transferring ch	narge.		
Transferring Charges				
Method	Definition			
a.	The transfer to another b	r of electrons from one object by rubbing		
b.		The transfer of electrons from a charged object to another object by direct contact		
c.		The movement of electrons to one part of an object by the electric field of another object		
	clothes in a dryer, and when ner. Why do they stick togethe			
<b>18.</b> An electric charge can	be detected by an instrument	called a(n)		
9. Why do the leaves of an electroscope spread apart when a charged object touches the metal knob?				

Naı	me	Date	Class				
Ele	ctricity • Guided Reading and	Study					
Ele	Electric Charge and Static Electricity (continued)						
Sta	ntic Discharge						
20.	What happens when a negatively charged object and a positively charged object are brought together?						
_							
21.	The loss of static electricity as electronic another is called	0	e object to				
22.	Is the following sentence true or fadischarge.		e of static				