NAME	DATE	CLASS	
STUDY GUIDE			Chapter 7
Electric Charge			

Solve the puzzle below by writing the words in the diagram that best fit the descriptions given. You will find another term spelled vertically in the black box.

1.				 	 				-
2	 	 		 					
3.				 					
4	 	 		 					
5.		 		 					
6.									
7.									
8.									
9		 		 					
10	 								
11.		 							
				 	 _	-	-		
12									

Descriptions

- 1. exerts a force on anything that has an electric charge (2 words)
- 2. material that does not allow an electric current to pass through it easily
- 3. what like charges do
- 4. accumulation of electric charges on an object (2 words)
- 5. materials that usually are good conductors of electricity
- 6. what unlike charges do
- 7. metal that is often used in wires that conduct electricity
- 8. material that is often used to insulate wires that conduct electricity
- 9. any material that allows electricity to pass through it easily
- 10. neutral particles found in the nucleus of an atom
- 11. positively charged particles that are found in the nucleus of an atom
- 12. negatively charged particles that are found outside the nucleus of an atom

Fill in the blank below with the term e	enclosed by the black box.
An	_ is a device that can detect the presence of electric charges.

NAME	DATE	CLASS	
REINFOR	CEMENT		Chapter 7
Electric C	Charge		
	r the italicized term makes each statement true of atement is false, write in the blank the term that		ue, write the word "true" in
	1. The positively charged particles i	n an atom are protons.	
	2. The negatively charged particles	of an atom are neutrons.	
	3. If an atom has an equal number <i>neutral</i> .	of protons and electrons, the	e entire atom is electrically
	4. If an atom has a greater number charge.	of electrons than protons, th	e entire atom has a positive
	5. The accumulation of electric char	ges on an object is called ma	ignetism.
	6. The electric field caused by an ele	ectron is weakest near the ele	ectron.
	7. An electric field becomes weaker	as distance from the electron	n increases.
	8. A conductor is a material that allo	ows electrons to flow through	n it easily.
	9. Metals are <i>poor</i> conductors of ele	ctricity.	
	10. Plastics, rubber, wood, and glass	s are good conductors.	
	11. Earth serves as a <i>conductor</i> of e	ectricity.	
	12. The presence of electric charges	can be detected with an elec	troscope.

15. When an object loses electrons, it gains a *negative* charge.

other.

13. The leaves of an electroscope hang straight down when the device receives a *charge*.

14. If both leaves of an electroscope receive a negative charge, the leaves will attract each