Name		
Name: Grade and Section:	Score: /10.0	
Date:	3core. /10.0	
Quiz # 1 on Electric Charge, Co	oulomb's Law.	Newton School of
Electric Fields, and Electric Flu	·	BRIGHT MINDS INC.
GENERAL INSTRUCTIONS:		
 1.) Use No. 2 pencil only to shade your answer. To old answer and shade the new one. You may requivelene you need to. 2.) Scientific calculators are allowed while other ed. 3.) Any form of cheating in examinations or any a shall be subject to disciplinary action. 	electronic devices are prohibited.	
I. Multiple Choice. Shade the letter of the BEST ans	wer (5 points).	
1. Two unlike charges		
a attract each other	b neutralize each other	
c repel each other	d have no effect on each other	
2. Which of the following is not a process of charging	ŋ?	
a Induction	(b) Conduction	
© Friction	d Convection	
3. Material A is positively charged. When brought near to material B, they attract. Which of the following is true?		
Material B is negatively charged	b Material B is positively charged	
C Material B is uncharged	d Both are uncharged	
4. Material B has become positively charged after rubbing it with Material A. Which of the following statements is correct?		
a Material B loses protons	b Material B gains electrons	
© Material A loses proton	d Material A gains electron	
5. What will happen when two unlike charges are brou	ught together? They will	
a repel each other	b attract each other	
c neutralize each other	d no effect on each other	
II. True or False. Determine whether the statement points).	s are TRUE or FALSE by shading the BEST AI	NSWER (3
6. Charging objects could happen through induction a	and conduction.	
a True	(b) False	
7. When a charged object is placed near the metal kn repelled by the presence of excess charges.	ob, this causes the foil to open up since they	y are being

(b) False

(b) False

8. Electric flux refers to the amount of electric field lines penetrating a given surface.

a True

(a) True

ar	swer with proper statement (2 points).		
9.	. A point charge $q = 8.00 \times 10^{-9} \text{C}$ is at the center of the cube with sides of length 0.200 m. What is the electric flux through one of the six faces of the cube?		

III. Problem Solving. Solve the given problem. Write your GIVEN, REQUIRED, SOLUTION and box your final