3.3 Investigation: Charging By Contact

Date:		Name:		
				Ques
Predi	ction:	Use the law of electric charges to predict what kind of charge is transferred from each object to the pith ball.		
(a)	If tou	thed by an object with a negative charge (ie)		
	the pithball will become		charged.	
	If tou	ched by an object with a positive charge (ie)		
2765	the pi	thball will become	charged.	

Observations: Observations may include: attracted, repelled, no reaction. (b)-(d)

Action	Observation	
charged polyethylene rod brought close to pith ball but does not touch.		
charged polyethylene rod touches the pith ball and is then brought close.		
charged acetate rod brought close to pith ball but does not touch.		
charged acetate rod touches the pith ball and is then brought close.		

Analysis and Conclusion:

(e) When a pith ball is touched by a negatively charged object, it will become _____

charged. I know this because :_____

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(f) Why was the pith ball repelled by the charged polyethylene after being touched?



(g) Why was the pith ball repelled by the charged acetate after being touched?



(h) The type of charge transferred by contact is always ______ as the charge found on the charged object.