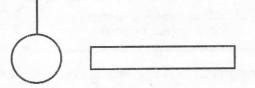
Date:_

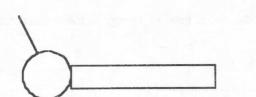
3.3 Investigation: Charging By Contact

Name:__

ues	tion:	How can we determine the kind of charge transobject touches it?	sferred to a neutral object when a charged
edi	iction:	Use the law of electric charges to predict what to the pith ball.	kind of charge is transferred from each obje
)	If tou	ched by an object with a negative charge (ie)	
	the pi	thball will become	charged.
	If tou	ched by an object with a positive charge (ie)	and the second s
	the pi	thball will become	charged.
bse)-(Observations may include: attracted, repelled, i	no reaction.
		Action	Observation
		ed polyethylene rod brought close to pith ut does not touch.	
		ed polyethylene rod touches the pith ball sthen brought close.	
		ed acetate rod brought close to pith ut does not touch.	
		ed acetate rod touches the pith ball sthen brought close.	
nal	When	Conclusion: a pith ball is touched by a negatively charged of the december of	
		a pith ball is touched by a positively charged of ed. I know this because:	

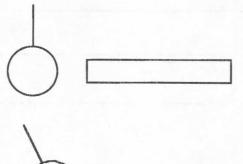
(f) Why was the pith ball repelled by the charged polyethylene after being touched?

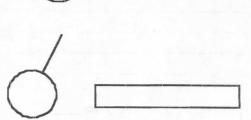




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1		

(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.