SNC1D7

Lab: Investigating Electric Charges

Characteristics of Electricity			/15
<u>Materials</u>		Name:	
CombEbonite rodGlass rod	Watch glassEmpty pop canPieces of paper	BalloonWoolFur	• Yourself
(a) Description (b) Type of elect (c) Explanation In your explanations, relectrostatic series. Use least once. Station #1	rostatic attraction (one or m of results (BE SPECIFIC & efer to positive, negative, ne se diagrams if necessary. n stick to the wall using only	ore of friction, contact, or a USE SCIENTIFIC VO utral or no charge as well a You get a bonus if you u	CABULARY) as attract, repel, and
Type of electrostati	c attraction(s) [1]:		
Explanation of the	results [1]:		
Station #2 Goal: Move the pieces Description of your	of paper without touching o	r blowing on them.	

Type of electrostatic attraction(s) [1]: _____

Explanation of the results [1]:

Station #3 Goal: Starting from a stationary position (meaning not moving), and using only materials on the list, move the pop can (I) away from you, and (II) towards you WITHOUT touching it or blowing on it, no additional force and starting from the same position (in other words, you CANNOT simply go behind the pop can!!!). Description of your actions [1]:
Type of electrostatic attraction(s) [1]:
Explanation of the results [1]:
Station #4 Goal: Force a stream of running water to "bend" without touching it. Use only materials from the list. Description of your actions [1]:
Type of electrostatic attraction(s) [1]:
Explanation of the results [1]:
Station #5 Goal: Using any two of the same type of rod/comb/materials, place one on the watch glass and use any type of material to (I) CAUSE the object on the watch glass to rotate away from the second one, and (II) CAUSE the object on the watch glass to rotate towards the second one WITHOUT touching or blowing it – NO ADDITIONAL FORCE! Description of your actions [1]:
Type of electrostatic attraction(s) [1]:
Explanation of the results [1]: