

An 'Electrifying' Activity

INSTRUCTIONS		OBSERVATIONS
Balloons		
1	Rub a balloon against your hair. Then place the balloon on a vertical surface.	
2	Rub a second balloon against your hair. Hold each of the balloons by the knots and bring the rubbed surfaces slowly together.	
3	Turn one balloon so that its rubbed surface faces away from the other balloon. Again bring the balloons together.	
Acetate Strips		
1	Rub an acetate strip with paper towel. Bring the acetate towards the hole punches of paper.	
2	Rub a polyethylene strip with paper towel. Then bring the strip close to a running stream of water. (not touching the water)	
3	Rub an acetate strip and place on glass. Rub a second acetate strip and bring it close to the strip on the glass.	
4	Rub an acetate strip and place on glass. Rub a polyethylene strip and bring it close to the acetate strip on the glass.	
Van de Graff Generator		
1	Place the Barbie doll on the top	
2	Place a stack of aluminum pie plates on top	
3	Place a bowl of cheerios on top	

FOLLOW UP- QUESTIONS:

1. What happens when **charged** objects are brought near **neutral** objects?
2. When two objects with the **same charge** approach each other, what happens?
3. When two objects with **opposite charges** approach each other, what happens?
4. What **evidence** from this activity suggests that there are **two types** of **electric charges**?
5. What could you do to find out if an object is **charged** or **neutral**?