Name:	
	Science and Technology 404
	Static Electricity: Electrostatic Series

Substances in electrostatic/triboelectric series

Tendency	Substance	
High affinity for capturing electrons	Plastic	
(tendency to acquire a negative charge)	Copper	
	Ebonite (hard rubber)	
	Wood	
	Cotton	
	Paper	
	Silk	
	Lead	
Strong tendency to give up electrons	Wool	
(tendency to acquire a positive charge)	Glass	

1.		hat will be the charge on each of the following objects  Plastic rod and wool cloth  Plastic rod:  Wool cloth:	-
	b)	Glass rod and cotton cloth	
	٥,	Glass rod:	
		Cotton cloth:	
	c)	Copper rod and silk cloth	
		Copper rod:	
		Silk cloth:	
	d)	Paper and plastic ruler	
		Paper:	

- 2. 1) An ebonite rod charged by rubbing it with silk
  - 2) A glass rod is charged by rubbing it with wool

Plastic ruler:\_\_\_\_\_

3) The charged glass rod is then brought close to the charged ebonite rod

What is the electrical force between the charged glass rod and the charged ebonite rod, attraction or repulsion? Explain.