Purpose: Which material when rubbed together produce the greatest static charge

Hypothesis: I think fur and plastic create the greatest static charge.

Materials: Plastic spoon, Fork, Wood, Straw, Lucite, ebonite, acetate, glass rod, aluminum rod, cotton, silk, cloth, fur.

Procedure: if you rubbed the cloth of fur into the rod in one place it creates a better static charge than rubbing it all over the place.

Observations: When you rubbed the items together it heats up. I observed that when you rubbed the item in one motion it heats up and the static charge is way stronger than if you rubbed all over the rod.

Results: wood 0, Lucite rod 15 polyester, copper 0 polyester, aluminum rod 0 polyester, acetate 12 polyester, glass rod 0 polyester, ebonite 4 fur, Lucite rod 15 fur, copper rod 0 fur, aluminum rod 0 fur, acetate 19 fur, wood 0 fur, ebonite rod 8 silk, wood 0 silk, Lucite rod 15 silk, copper rod 0 silk, aluminum rod 0 silk, glass rod 0 silk, acetate 18 silk, ebonite 0 cotton, wood 0 cotton, Lucite rod 0 cotton, copper rod cotton, aluminum rod 0 cotton, glass rod 0 cotton, acetate 16 cotton, ebonite rod 8 plastic, copper rod 0 plastic, wood 0 plastic, aluminum 0 plastic, Lucite rod 10 plastic, glass rod 5 plastic, acetate 12 plastic.

Conclusion

Purpose: which material when rubbed together create the greatest static charge.

* The materials that creates the greatest static charge when rubbed together is fur and Lucite rod.

Hypothesis: when fur and plastic rod are rubbed together it creates the greatest static charge.

* My hypothesis was wrong, when the fur and Lucite create the greatest static charge.

My question: what if you used actual animal fur or skin.