

SCIENCE

CHARGING BY RUBBING

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When a plastic refill is rubbed with polythene, it acquires a small electric charge. Similarly, when a plastic comb is rubbed with dry hair, it acquires a small charge. These objects are called charged objects. In the process of charging the refill and the plastic comb, polythene and hair also get charged. Let's try to charge some other objects that are familiar to you.

Collect the objects and the materials listed in Table. Try to charge each by rubbing with the materials mentioned in the Table. Record your findings. You can add more items to the Table.

Objects Rubbed	Materials Used for Rubbing	Attracts/does not Attract Pieces of Paper	Charged/ Not Charged
Refill	Polythene, woollen cloth		
Balloon	Polythene, woollen cloth, dry hair		
Eraser	Wool		
Steel spoon	Polythene, woollen cloth		