

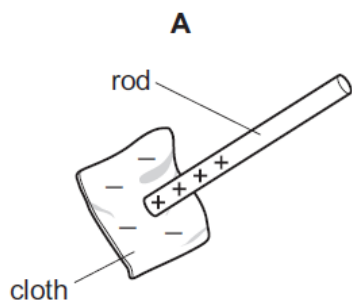
**Electrostatics – 2023 June O Level 5054**

**1. June/2023/Paper\_5054/11/No.27**

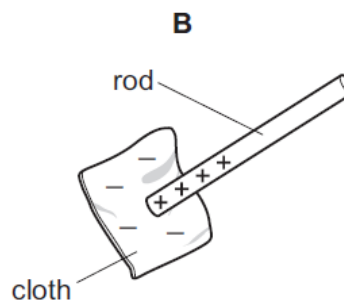
In an electrostatics experiment, a plastic rod is rubbed with a cloth.

The **cloth** becomes negatively charged.

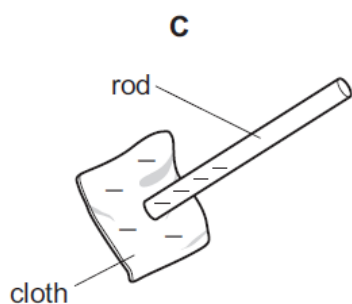
Which diagram shows the charge on the rod and describes the movement of charge?



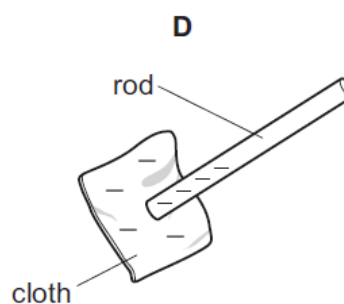
electrons move from the rod on to the cloth



protons move from the cloth on to the rod



electrons move from the cloth on to the rod

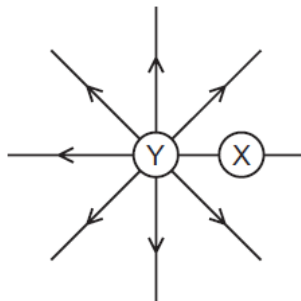


protons move from the rod on to the cloth

2. **June/2023/Paper\_5054/11/No.28**

Object X is stationary and positively charged. It experiences a force due to the field produced by object Y.

The arrows show the direction of the field produced by Y.



Which statement about the direction of the force on X is correct?

- A It is towards the right because it is in an electric field.
- B It is towards the left because it is in an electric field.
- C It is towards the right because it is in a magnetic field.
- D It is towards the left because it is in a magnetic field.

3. **June/2023/Paper\_5054/12/No.26**

A shoe becomes positively charged by friction when it rubs against a carpet.

What happens as the shoe becomes charged?

- A Negative electrons are transferred to the carpet.
- B Negative electrons are transferred to the shoe.
- C Positive electrons are transferred to the carpet.
- D Positive electrons are transferred to the shoe.