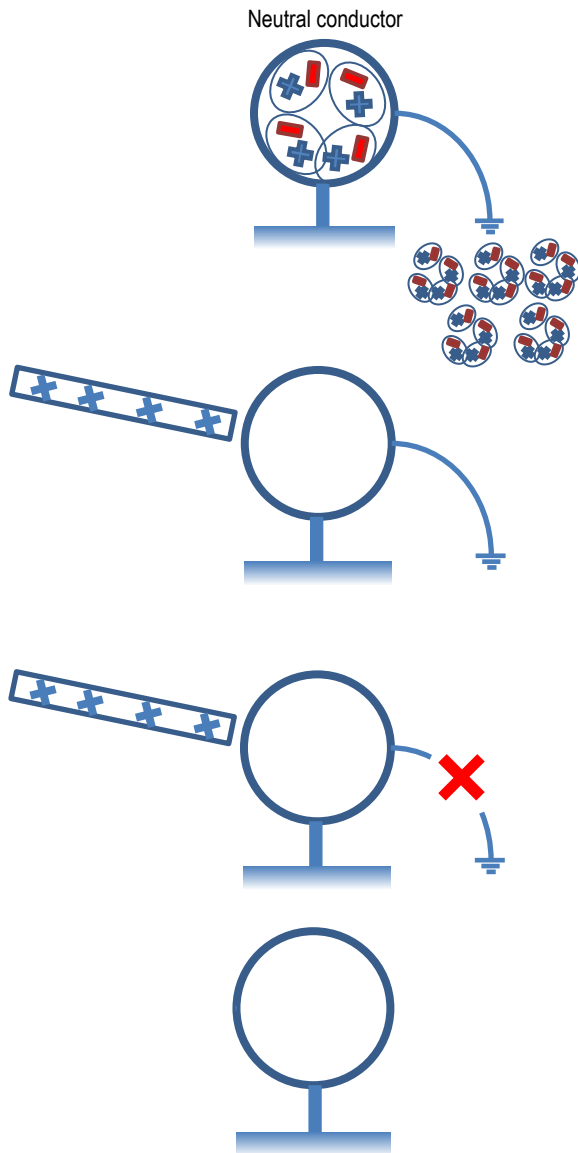


CONCEPT: CHARGING BY INDUCTION

- INDUCTION charges object *WITHOUT* touching, CONDUCTION charges object *WITH* touching.

- Object is left with a NET CHARGE.



Steps for CHARGING BY INDUCTION

1. Connect neutral conductor to ground
 - Ground = _____ and _____ of charges
 - Sources (**receive | give**), sinks (**receive | give**)
2. Bring + charged rod near conductor → pulls charges:
 - [INTO / FROM] ground
 - [INTO / FROM] conductor
 - If rod was — charged, the opposite would happen.
3. Cut connection between ground and conductor
→ _____ escape of charges!
4. Remove charged rod
 - Conductor is now _____