


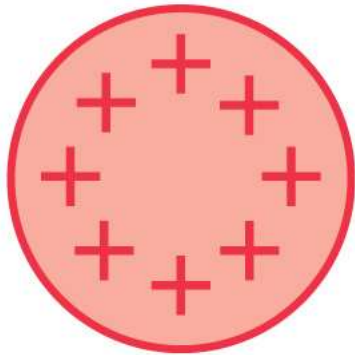
An electroscope is positively charged by *touching* it with a positive glass rod. The electroscope leaves spread apart and the glass rod is removed. Then a negatively charged plastic rod is brought close to the top of the electroscope, but it doesn't touch. What happens to the leaves?

- A. The leaves spread further apart.
- B. The leaves get closer together.
- C. One leaf moves higher, the other lower.
- D. The leaves don't move.

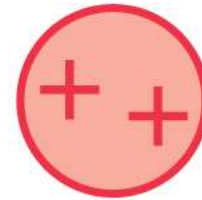
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Charges A and B exert repulsive forces on each other.  
 $q_A = 4q_B$ . Which statement is true?



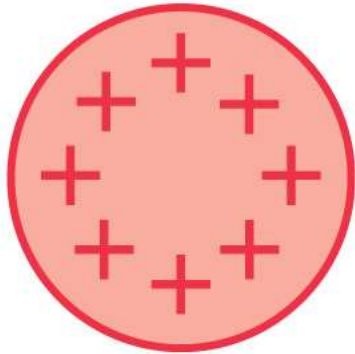
A



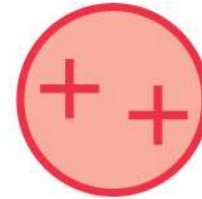
B

- A.  $F_{A \text{ on } B} > F_{B \text{ on } A}$
- B.  $F_{A \text{ on } B} < F_{B \text{ on } A}$
- C.  $F_{A \text{ on } B} = F_{B \text{ on } A}$

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